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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIV

NEW YORK, JANUARY 2, 1924

NUMBER 1

MONSANTO *Fine and Medicinal Chemicals*

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MONSANTO: Specializing in fine and medicinal chemicals

In This Issue { *Cutting Down Illicit Narcotics*
Benzene Compared With Gasolene

Carbon Tetrachloride



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of
Dependability*

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CARBON TETRACHLORIDE
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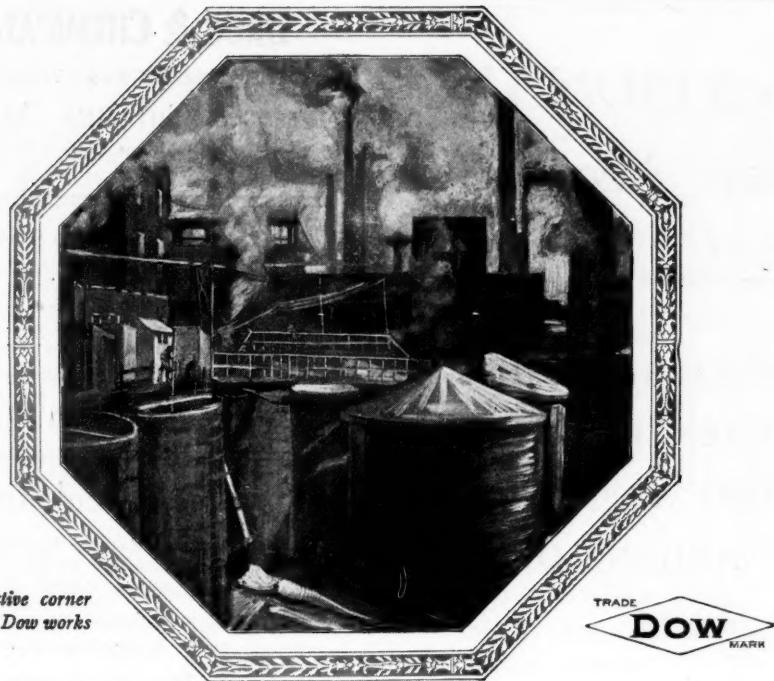
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[JANUARY 2, 1924]

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The Week in Brief

Eighty per cent reduction in illegal use of narcotics in ten years, according to Col. L. G. Nutt, chief of the Federal Narcotic Control Board.

Another long list of chemical stocks sold at auction in preparation for income tax statements, to prove losses.

Essential oils have been in active demand during the week in spite of the holiday season. Oils bois de rose and linaloe are scarce and little material is coming forward.

Fine chemicals will be quiet during the holidays and inventory season, but prices refuse to ease off. Mercury is quoted lower.

Higher prices for phenol owing to scarcity and a lower market in benzene are features in coal-tar crudes. Intermediates are marking time in awaiting developments in dyes.

Vegetable, animal and fish oils are firm owing to small stocks.

Under the new agreement with France, the German Dye Kartel has increased its output of colors and will fight for the world trade in dyes.

Fertilizer makers report increased buying in the South.

A director in the German Potash Syndicate says an agreement with France, on industrial lines is being considered, and is the only solution of the reparations question.

British perfume manufacturers complain of sharp competition by French makers who are offering products at prices less than the cost of manufacture in England.

Little activity in the heavy chemical market during the week due to the holiday and inventory seasons.

Crude drugs have been active for delivery after the turn of the year. Dandelion root is quoted at 35lb. “to arrive.” Ippecac root has eased off.

Dr. Leo Hendrik Baekeland elected president of the American Chemical Society, succeeding Prof. E. C. Franklin, of Leland Stanford University.

Tariff Commission begins work on the dye census and is mailing a questionnaire to manufacturers.

MATHIESON Chemicals

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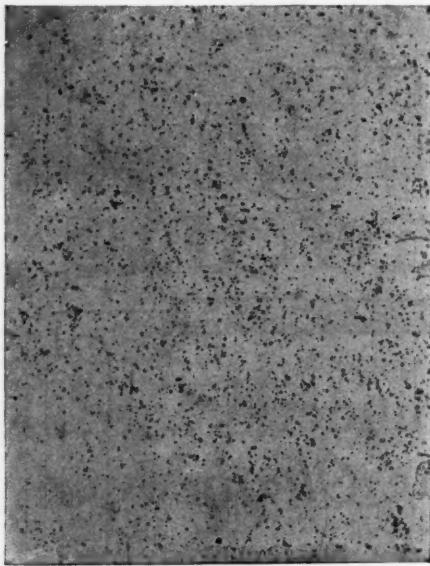
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CHARLOTTE



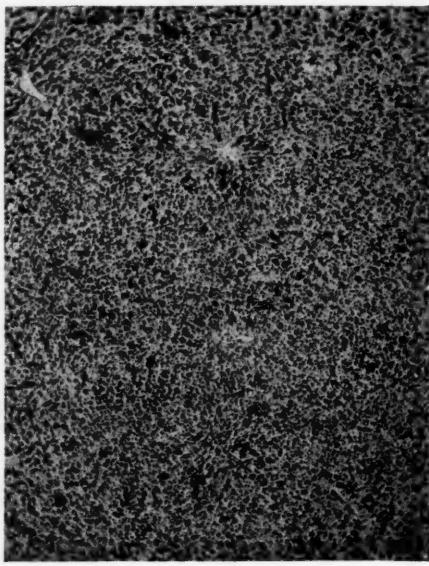
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Liquid Chlorine-Caustic Soda

Sesquicarbonate of Soda
Bleaching Powder-Soda Ash



*Micro-photograph showing the dispersion
the carbon taken from Barrett Carbonex—
1,500 magnification.*



*Micro-photograph of Barrett Carbonex com-
pounded with rubber—15% Carbonex—
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DRUG & CHEMICAL MARKETS

VOLUME XIV

[JANUARY 2, 1924]

GERMANY TO CONTROL THE TRUSTS

Germany is struggling with the trust question, and the Government has proposed a measure providing for a special court to try cases where the public interest is involved. When production or sales are restricted without sufficient economic reasons, or prices are advanced unreasonably, or kept at a high level, or exorbitant surcharges are made to cover risks in quoting prices in gold marks, the court will take cognizance of a complaint and hear the evidence. The Minister for Economic Affairs may demand all documents relating to the matter, even contracts of trusts or syndicates that may be detrimental to trade or industry. The Minister is given authority to enjoin companies and prevent the operation of agreements until the case is heard.

The purpose of the bill is to check unfair prices or conditions and encourage competition. The court is given power to cancel contracts entered into by business firms when proof is presented that the contract is unfair to either side or against public policy. By a curious combination of circumstances the measure is approved by the syndicates and is likely to pass. This is due to the fact that home markets are becoming restricted owing to the depression, and there will be severe competition for foreign trade. While some features of the Sherman Anti-Trust Act and the Clayton Act are incorporated in the German measure, the administration of the law is placed in the hands of the Minister for Economic Affairs who has power to act in the premises to suspend operations of syndicates that are injurious to trade before final decision by the court. The establishment of a separate court will expedite cases and eliminate long delays incident to congested court calendars in the United States.

BENZENES AND GASOLINES

Differences in price between industrial benzenes (nitration, pure and 90 per cent) and gasoline have decreased over the past year, and this decrease between the two has been the combined result of several factors. An increased production of benzene at previously existing refineries due to a prosperous steel industry, a material increase in the number of by-product coke ovens by means of which benzenes are produced, a decreased activity over the last half of this year in industries using industrial benzenes meaning a decreased demand, and finally an increase in the number of sellers offering benzenes resulting in increased competition for such industrial business as has been available have each had their effect. Each of these influences has tended to reduce benzene prices as compared with gasoline, and taken together have actually brought

the prices of industrial benzenes closer to that of gasoline than at any other time since the war. All of this is entirely aside from the fact that there has been a long depressed gasoline market which would naturally tend to lower benzene prices though this influence, of itself, would not have affected the price difference between the two.

The relation between the two markets is a close one. So-called motor benzene is a better motor fuel than gasoline. It is refined wide-distillation range material including benzene, toluene and more or less solvent naphtha. While relatively new in this country it is an old story on the continent, particularly in England, France and Germany. If all the benzenes produced here were marketed as motor fuel, the total quantity produced is so small as compared with our gasoline consumption that the total quantity of gasoline consumed would hardly be noticeably affected. Obviously, then, the big market for benzenes is as a motor fuel, and the market price of gasoline is the starting point for determining the market value of industrial benzenes, other things being equal.

In that it costs more to refine industrial benzenes than to make motor benzene, the former will always bring some premium over the latter, otherwise it is clear that all benzenes would flow into the fuel market. The extent of the premium will depend directly upon supply and demand for industrial benzenes. A quiet steel industry or a protracted coal strike might so curtail production as to make benzene almost unobtainable at any price, while a dormant dye industry or a general curtailment of rubber manufacturing might at least prevent any price advance, if they did not cause recessions in prices.

While benzenes will, of course, have their fluctuations in the future as heretofore, in general it can be said that, as long as internal combustion engines are in vogue and present fuels are used in quantity, a premium over gasoline is assured for benzene, and an advancing gasoline market will inevitably mean an advancing benzene market. A falling gasoline market conversely may mean a falling benzene market; but this will not always be so unless such a falling market in gasoline is pronounced, resulting as last year, in low priced gasoline over a period of sufficient duration to offset any possible counteracting tendencies in the benzene situation itself.

Buyers of industrial benzenes must always bid against the fuel market for supplies. The next turning point in the market is apparently not far distant, if not already here. It is significant that we have apparently started to enter a rising gasoline market and that the demand for benzene for motor fuel is ever increasing.

[JANUARY 2, 1924]

THE ROVING CHEMICAL SPECULATOR

The roving speculator is playing havoc with the chemical business, especially in the importing field. Without any apparent regard to the needs of consumers and the number of sellers competing for orders, large lots are constantly brought in with the idea that a miracle might happen and a profit be realized from the transaction, just because these goods are purchasable at a price that the speculator considers a low figure. When the material is imported, the market is looked over casually, and if there happens to be no one to buy immediately, the importer dumps the goods for whatever he can get. Repeated operations of this kind keep the market upset. If one item shows marked activity, buyers are swamped with offers from all directions, each a shade under the previous offer in the hope of getting the business.

American manufacturers are not inclined to change from one item to another owing to the length of time it takes to begin the manufacture of a new chemical, but the speculating importer finds it easy to switch from one product to another. Thorough study of the market's requirements is not included in these importers' methods of doing business.

The suggestion of Prof. J. H. James, of Carnegie Institute, that textile manufacturers make their own dyes, opens up a question of vital interest to the American producer who jumped into the breach during the war, spent a fortune in experimenting and research to supply colors needed by the mills that were on the verge of closing. Even the Government went begging for dyes for the post office and treasury departments. Should all the leading consuming industries in the country—leather, rubber, paper, textiles, etc.—adopt the plan, the readjustment might prove costly to the investor who put his all into dyes, unless present plants could be sold to advantage to the new groups. If the suggestion is applicable to dyes, why not to heavy chemicals? Glass manufacturers could make soda ash, and consumers of sulfuric and other acids in large quantities might combine on similar lines. What has the future in store for these great industries?

About 18,000,000 pounds of "sodatol," a mixture of trinitrotoluol (TNT) and sodium nitrate, a surplus explosive owned by the Government, will be distributed by the Bureau of Public Roads for road building and agricultural blasting. The only expense will be the charging in cartridges and freight. This is another use to which the weapons of war can be put to peace time activities. Millions of pounds of phenol, used in the manufacture of picric acid, a high explosive, and which were in the hands of the Government at the close of the war, have long since been consumed. Surplus stocks of sodium nitrate used in the manufacture of explosives have gradually found their way into the farmers' fields as fertilizer or into peaceful chemical consumption. Munitions have been turned into

dyes, medicine and clothing. Muscle Shoals will eventually turn out fertilizers from the air.

"Germany" was the label on the paper hats worn by seventy-five members of the Salesmen's Association of the American Chemical Industry at their annual Christmas party held last Thursday evening in New York. Not only that, but the colors with which the hats were enlivened, imparted beautiful hues of orange, green, and red to the foreheads of their wearers, giving many the appearance of Indians about to take the war-path. If about ten million of these paper hats could be distributed to American business men all over the country to wear upon some such occasion as a Christmas party, or New Year's eve,—what a wonderful advertisement for American colors.

Vol. XIII is done and gone. Thank all our lucky stars! and welcome Vol. XIV.

Many Men: Many Minds

"We shall meet the competition of other trading nations that feel, as we do, the necessity of expanding their trade. For the present, as long as conditions of inflation continue, especially among the more active of the industrial nations, we suffer under the handicap of their lower production costs. This is particularly true of Germany, where, in the last few years, the chief industrial plants have paid off their bonds and mortgages in depreciated currency and are free from that important element of overhead."—James A. Farrell, president of the United States Steel Corporation.

Treasury statistics showing the extent that taxes may be reduced, if the bonus be discarded, at once aroused hearty acclaim in all parts of the country, says Irving Bank-Columbia Trust Co. No argument is needed to show that all business would benefit from a lightening of the supertax burden, through lessening the inducement to invest in tax-free securities. The quickening effect of this additional current of capital, which would flow into business investment channels, might make itself felt almost at once upon a widening circle of industries.

Samuel Insull, president, People's Gas Light & Coke Co., Chicago, says: "The decision of our directors to increase the dividend rate is in accordance with the fixed policy of sharing the benefits of increased efficiencies and economies between stockholders and customers. A short time ago customers were given a decrease in rates. Now the owners of the property are being rewarded. The excellent present condition of the company and the record it is making both for stockholders and customers is due in no small part to the fine organization which has brought the company's physical properties, loyalty and efficiency up to high standards."

The Chemical Exposition to be held in New York, Sept. 28, to Oct. 3, 1925, marks the tenth anniversary of the original exposition held in 1915. It is estimated that 50 to 75 per cent of the chemical business of the United States is now done in New York, through the New York offices of American manufacturers, and that three-quarters of the chemical imports come in through the port of New York, making the city the center of the world's chemical trade, and marking it as the logical point for the exposition.

Cutting Down the Illicit Narcotics

Col. L. G. Nutt, Federal Control Board, Tells of Eighty Per Cent. Reduction in Illegal Use in Ten Years

"**N**O QUESTION exists in my mind, that drug addiction in the United States is decreasing steadily. If the legal use of narcotics is any criterion, and I believe it is, consumption of habit forming drugs illegally has fallen off sharply. In the fiscal year 1923, ending June 30, 1923, 136,000 pounds of opium were imported and dispensed in the United States. The average for the period 1910-1915 was 471,000 pounds per annum. At the same time, the population of this country increased fifteen or twenty millions over this period. I should estimate that the legal and illegal use of opium derivatives has fallen off about eighty per cent in the past ten years." This was the response of Colonel L. G. Nutt, chief agent for narcotic control, U. S. Bureau of Internal Revenue, when interviewed by a representative of DRUG & CHEMICAL MARKETS in his Washington office, to the question, "Is narcotic addiction increasing or decreasing to-day?"

Due to the widespread publicity given to the consequences of addiction, the activity of agents under the Harrison Act, the separate enforcement of the narcotic law for the past three years by a unit for this especial purpose, the aid of the various state laws, and the more sympathetic attitude of the courts toward the enforcement of the narcotic law, all have aided in cutting down the illicit use of habit forming drugs, according to Colonel Nutt. The record of convictions has also helped to place a damper on narcotic peddling and smuggling, he said. Of 7,201 criminal cases under the Harrison Act in 1922, 4,479 were tried, 4,194 men were convicted. The Narcotic Section has been concentrating on the narcotic peddler and trafficker, and by bringing the extent of the traffic to light, has awakened public consciousness to the possibilities of this menace, said Colonel Nutt.

When asked where the bulk of illicit narcotics which get into the underworld traffic in this country, comes from, the chief of the Narcotic Section, stated that well over ninety per cent is smuggled in from Europe, through Canada, and the West Indies. Only in a small

As secretary of the Federal Narcotic Control Board, and chief of the Narcotic Section, Bureau of Internal Revenue, Colonel Nutt's power in things narcotic, is almost absolute. He is the commander-in-chief in the enforcement of the Harrison Act in the United States to-day. All narcotic matters of moment must pass through his hands for O.K. After a study of years, he knows the narcotic problems of the world from A to Z. When he states that there has been an 80 per cent reduction in the use of narcotics illegally in the U. S. during the past ten years, and that 90 per cent of all illicit narcotics here is smuggled in, it is quite certain that these facts are so.

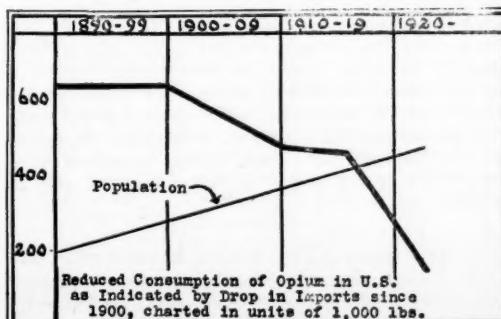
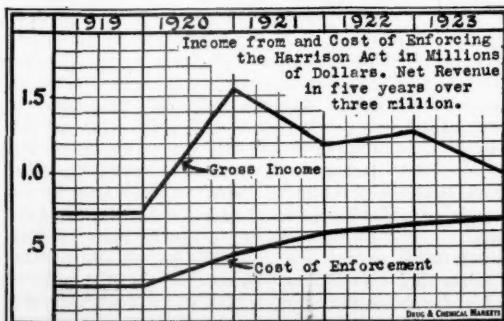
percentage of cases are goods of American manufacture picked up in illegal channels by Government agents. Narcotics in original packages, seized from smugglers and peddlers, are mostly of Swiss, German, Japanese, and Portuguese origin, Colonel Nutt said, as it is easier to secure the goods in these countries under the present laws.

How 90% Is Smuggled In

In describing some of the methods used to smuggle the goods into the United States, the narcotic enforcement chief revealed the cleverness of the gangs engaged in the traffic and difficulties which the Government agents have had in running them down. For some time, large shipments of morphine and diacetylmorphine were shipped in guava jelly. The jelly was run into boxes and in the center of the opaque mass, usually a cigar box or other small box filled with bottles of opium derivatives, was placed. At peddlers' prices, several thousand dollars worth of narcotics could be smuggled in each case by this method. The detective work was done by U. S. agents at the shipping point in Cuba who were able to spot suspicious jelly shipments after lining up the traffic of narcotics into and out of Cuba.

A particularly clever attempt at smuggling was made by a gang of narcotic peddlers who shipped their illicit material enclosed in hollow statuary. The statues were filled with narcotics, sealed and weighted to appear solid. By checking at the source, this plot was unearthed. Another shipment of morphine sulfate, shipped from Basle to the United States, enroute to Canada, was labelled "glow lamps." When the Government agents investigated the so-called "glow lamps", they found about 25,000 ounces of morphine. Other attempts at smuggling, Colonel Nutt said, have made use of bales of hay, automobile tires, bales of rags, barrels of olive and other oils, barrels and kegs of various other materials in which the small bulk of the narcotics made them easy to secrete.

In addition to the smuggling in of morphine, heroin, and cocaine hidden in apparent bona fide shipments of



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merchandise, which is almost without limit in its possibilities for the ingenious smuggler, particularly in view of the ease with which a few hundred dollars worth of narcotics can be hidden, the Government agents have to contend with personal smuggling. Some material is brought in hidden among clothing in bags, in trunks with various devices intended to deceive customs officers, and on the persons of the smugglers. Some is run in from Canada and Mexico, much as in the case of contraband liquor only with far less chance of detection. Certain classes of sailors from all parts of the world have always been offenders in this traffic.

Colonel Nutt mentioned Canada and stated that they are facing an identical problem in the Dominion. Contraband smuggled into the United States is sometimes carried on into Canada, while the reverse is frequently the case. Officials of the Canadian Government are co-operating fully with the U. S. Bureau of Internal Revenue and the border traffic in narcotics has been cut down as a consequence.

Credits American Manufacturers

Full credit to the American manufacturers of narcotics was also given by Colonel Nutt. Throughout the past few years under the Harrison Act, the manufacturers have co-operated even further than the extent required by law in aiding the Narcotic Section to suppress the illicit traffic. The fact that only a small proportion of confiscated narcotics have been found to be of domestic make, and these mostly stolen or sold illegally after leaving makers' hands, is proof of the attitude of American producers, he stated. This has aided the Government greatly in enforcing the law, and has forced peddlers to turn to smugglers of foreign narcotics for their supplies since the passage of the Harrison Act. Narcotic enforcement as a consequence has become ninety per cent combating smuggling.

To show how conditions have improved during the past thirty odd years, Colonel Nutt pointed out the imports of opium as compared with the population of the country. From 1890 to 1899, an average of 630,000 lbs. annually was imported for a population of 63,000,000. From 1900 to 1909, an average of 480,000 lbs. annually came in with a population of 76,000,000. From 1910 to 1915, as stated before, 471,000 lbs. per year for a population of 92,000,000, was used. For the fiscal year 1923, 136,000 lbs. for a population of 110,000,000, was imported. During the past five years, 1919-1923 inclusive, revenue from the Harrison Act netted \$3,008,108 over and above cost of administration. Total income was \$5,677,585 and expenditures \$2,669,476.

CHEMICAL SALESMEN DISTRIBUTE GIFTS

Gifts for each member of the Association were distributed by Santa Claus at the annual Christmas Party of the Salesmen's Association of the American Chemical Industry, held at the Builders Club, New York, Dec. 27. About seventy-five attended, the party being for members exclusively. In addition to the distribution by Santa, which included many appropriate articles, in a number of instances samples of competitors' goods, a vaudeville entertainment was put on. No speakers were scheduled for the party, the only address being made by President Ralph E. Dorland, welcoming the members and thanking the entertainment committee composed of George Ashworth, Williams Haynes, and A. J. Binder.

Arkansas Bauxite Products Co., Little Rock, Ark., will construct a plant for the production of aluminum sulfate. The plant is estimated to cost about \$40,000. George W. Goodman is secretary and treasurer.

Business Briefies

A proposal to subsidize the production of air nitrates in order to aid the farmers of the country, has been submitted to Congress.

Stein, Hall & Co., New York, starches and heavy chemicals, announce that they have reduced capitalization from \$2,650,000 to \$2,000,000 owing to the reorganization plan which makes the par value of stocks \$25 a share instead of \$100.

J. A. J. Wynmalen, of Polak & Schwarz, Zaandam, Holland, recently sailed for home on the S.S. Rotterdam after visiting this country for about nine months. While here he made his headquarters with Wangler-Budd Co., successors to Julian W. Lyon & Co.

Dr. John Arthur Wilson, chief chemist for Gallun & Sons Co., Milwaukee, will talk on "Leather," at the meeting of the New York Section of the American Chemical Society, Friday evening, Jan. 4, at Rumford Hall, 50 East 41st st., New York. Classes of students from Columbia and from Pratt Institute will attend.

The Copper Export Association, which was formed in 1919 under the Webb Act to assist producers in selling abroad, is to be disbanded owing to the withdrawal of American Smelting and Refining Co., which refuses to export its copper through the central selling agency. The Association now exports about 50 per cent of the copper produced in the United States.

Pedro J. Lemos, curator of the Leland Stanford, Jr., Memorial Museum, Palo Alto, Cal., has perfected a process of giving permanent color to decorative tiles, cement blocks and plaster work. The chemical is called Petroma, and is worked into the cement or plaster at the mixing, instead of being brushed on like ordinary tints. The formula has been sold to the American Crayon Co.

Robert Bentley, director of Youngstown Sheet & Tube Co., is a leader in the incorporation of the American Copperas Co. which owns a process for the reclamation of sulfuric acid from steel sheet pickling liquid. The company is incorporating with 20,000 shares of no par value stock under the laws of Delaware. The process is the invention of Henry S. Marsh and Ralph Cochran, chemists of the Sharon Steel Hoop Co.

An export tax of one cent per gallon on all molasses and "meladura" exported from Cuba, and a bounty on the exportation of all alcohol, natural, denatured, or blended as motor spirit, of 60 per cent or more alcohol content, has been proposed in the Cuban Congress, says a report from Trade Commissioner Frank E. Coombs, Habana. The bounty on the exportation of alcohol would be figured on the basis of 4 cents per gallon of pure alcohol.

The Census Bureau is collecting statistics of manufacturers for 1923. The schedules have been prepared after conference with the associations and others interested in the various industries. The schedules will be mailed to the manufacturers on Jan. 2 and the Director of the Census is very anxious to publish the statistics at the earliest possible date in order that they may be of the greatest possible commercial value. Manufacturers of chemicals and allied products are urgently requested to forward reports to the bureau at the earliest possible date, before the end of January. The bureau has agreed to tabulate the results as rapidly as the schedules are received and publish the totals within a few days after the receipt of the last report.

Tax Changes Proposed in Mellon Bill

Reorganization Provisions of Present Law Affecting Corporations Rewritten—Capital Gain and Loss Paragraphs Revised—Sections Affecting Transfer of Assets by Corporations Changed—Normal Income Tax Would Be 3 Per Cent—Surtaxes Reduced—Penalties for Delinquencies More Favorable When There Is No Evidence of Fraud

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—The tax bill submitted by Secretary Mellon contains many new provisions affecting corporations as well as individuals. One of the principal revisions provided in the bill is a reduction of surtax rates, so that the surtax would begin at 1 per cent on net incomes from \$10,000 to \$12,000; would provide an additional 1 per cent for each additional \$2,000 up to \$36,000; 1 per cent additional for the next \$4,000, and would then add 1 per cent for each \$6,000 up to a maximum of 25 per cent on net incomes of \$1,000,000 or more.

Under the present law surtaxes begin at 1 per cent on net incomes between \$6,000 and \$10,000 and scale upward to a maximum of 50 per cent on net incomes exceeding \$200,000.

Normal Tax on Incomes

The new bill also provides that the normal tax on incomes shall be 3 per cent where it is now 4 per cent and 6 per cent where it is now 8 per cent—a reduction which the Treasury estimates will result in a loss of revenue of \$91,600,000 a year.

Provision is made in the bill that 25 per cent of "earned income," which is defined as wages, salaries and professional fees, shall be counted as exempt in computing income tax returns. The greater part of this exemption is expected to fall to those having small incomes, with the result that the Treasury expects a reduction of \$97,500,000 from this section.

Repealing Nuisance Taxes

The bill proposes the repeal of the present taxes on telegrams, telephone and radio messages, theatre admissions and certain other "nuisance taxes," including the levies on silver plate, flat silverware, pencils and fountain pens selling for not more than \$1 and clocks and watches selling for not more than \$5.

The administrative features of the bill include a provision for creating a Board of Tax Appeals, composed of not fewer than seven nor more than twenty-eight members, appointed for ten-year terms at salaries of \$10,000 each by the Secretary of the Treasury without Senate confirmation. The board would hear and determine cases involving the assessment of taxes, but both the Government and the taxpayer would be privileged to appeal any decision to the courts.

Penalties for Delinquencies

In dealing with delinquencies, the bill provides that where there is no evidence of fraud, a penalty of only interest at the rate of 1 per cent a month can be levied. The present law provides a penalty of 5 per cent of the amount of taxes involved and a specific penalty of \$1,000 in addition to interest at the rate of 1 per cent a month. Under the new bill the Commissioner of Internal Revenue, where it is apparent that the payment of delinquencies would work undue hardship, would have authority to extend the time of payment not to exceed eighteen months.

Specific provision is made that interest at the rate of

5 per cent shall be paid by the Government on all refunds of taxes illegally collected.

One of the provisions placed in the bill by the Treasury in its effort to stop tax dodging, stipulates that where property is placed in trust but the creator of the trust retains power to withdraw it, the income from the property is taxed as belonging to the creator.

Another provision, which it is estimated will increase revenues \$8,000,000, would place taxpayers in all States on the same basis regardless of State community tax laws. It stipulates that where husband and wife have a joint interest in property acquired after marriage the income from such property is to be taxed to the one having control over it. This provision is aimed particularly at the community tax laws of Texas, Washington, Arizona, Idaho, New Mexico, Louisiana, Nevada and California, under which married couples have been pooling income from property jointly owned for the purpose of taking advantage of a lower surtax rate.

"Income received by any marital community," says this section, "shall be included in the gross income of the spouse having the management of the community property and shall be taxed as the income of such spouse."

Capital Assets and Losses

Defining "capital assets" as property held by a taxpayer for profit or investment for more than two years, the bill provides that the amount by which the tax is reduced on account of a loss shall be limited to 12½ per cent of the loss. Under existing law capital gains are limited to 12½ per cent while capital losses, as Treasury experts construe the statute, can have the effect of wiping out entirely income in the higher brackets because the tax may be reduced by a maximum of 58 per cent of the loss. The Treasury estimates that this change in the law will increase revenue by about \$25,000,000.

About \$35,000,000 it is estimated, would be brought into the Treasury by a provision in the bill which would limit deductions from gross incomes for interest paid and for losses of non-business character to the amount by which they exceed the taxpayer's tax exempt income.

On the ground that it is vague, the bill would repeal the section of the existing revenue law which provides that no gain or loss from exchanges of property for property is realized by the taxpayer unless the property received in exchange has "a ready realizable market value."

Affecting Reorganizations

The new bill provides that where, in connection with a reorganization, assets are transferred from one corporation to another, the assets transferred shall retain the same basis in the hands of the new corporation as in the hands of the old. Application is limited to cases where an interest or control of 80 per cent or more in the assets transferred remains in the same persons.

Another section stipulates that where assets are transferred to a corporation in such a manner that no gain or loss is realized from the exchange, the basis of the assets for the purposes of determining gain or loss from subsequent sale, depreciation, or depletion shall be the same as it would have been in the hands of the one who makes the transfer.

The bill provides that the penalty prescribed by Section 220 of the existing Revenue act for evasion of surtaxes by corporations shall apply to the net income of holding corporations and all dividends received on stock owned by them.

[JANUARY 2, 1924]

DR. BAEKELAND ELECTED PRESIDENT OF THE AMERICAN CHEMICAL SOCIETY

Dean Talbot, of Massachusetts Tech., and George D. Rosengarten, of Philadelphia, Re-Elected Directors—Dr. Baekeland's Research Work in Photography and Electro-chemistry

Dr. L. H. Baekeland has been elected president of the American Chemical Society for 1924, succeeding Prof. E. C. Franklin of Leland Stanford University. Dean H. P. Talbot of Massachusetts Institute of Technology, and George D. Rosengarten, of Philadelphia, have been re-elected directors. The following councillors-at-large have been chosen: Dr. C. A. Browne, Chief of the U. S. Bureau of Chemistry, Washington; Prof. H. N. Holmes, of Oberlin College, chairman of the Committee on Colloid Chemistry of the National Research Council; Prof. L. W. Jones, Princeton University; H. S. Miner, industrial chemist of Gloucester, N. J.

Dr. Baekeland was born in 1863 at the old Flemish city of Ghent, where he received his early education. He passed through the elementary schools, the Atheneum (a Government High School), where he prepared for the University, and the Ghent Municipal Technical School, which resembles the Cooper Institute of New York. Winning, among other prizes, a traveling scholarship in chemistry, he was enabled to visit universities in England, Germany and Scotland, and to make a trip to the United States in 1889. Before leaving Ghent, Dr. Baekeland had become interested in photography, and soon after reaching New York he decided to accept a position as chemist in the manufacture of photographic films and bromide paper.

The Minister of Education of Belgium, in accepting his resignation, authorized him to retain the honorary title of associate professor at the University of Ghent. Later he became a research chemist and began at Yonkers, N. Y., the manufacture of a photo printing paper (*Velox*), which he had worked to perfect as far back as 1882 while he was still a student in Ghent. Discovery of this process made Dr. Baekeland a leader in the development of the photographic art, and he finally sold his entire enterprise to a company which manufactures kodaks.

Dr. Backeland next turned his attention to electro-chemistry. He undertook direction of the work preliminary to the industrial development of the newly invented electrolytic cell for producing caustic soda and chlorine from salt. The result was the establishment at Niagara Falls of one of the largest electrochemical plants in the world.

Dr. Baekeland is a member of the Naval Consulting Board, of the Nitrate Supply Commission, of the Administrative Board of the Institute of International Education, and of the Committee on Patents of the National Research Council, of which he is chairman.

He was awarded the Nichols Medal of the American Chemical Society in 1909, the John Scott Medal of the Franklin Institute in 1910, the Willard Gibbs Medal of the Chicago Section of the American Chemical Society in 1913, the Chandler Medal of Columbia University in 1914, the Perkin Medal for Industrial Chemical Research in 1916, and the grand prize of the Panama-Pacific Exposition in 1915.

The next national meeting of the Society will be held in Washington, during the week of April 21.

Canadian Industrial Alcohol Co. has declared a quarterly dividend of 1½ per cent, payable Jan. 7 on stock of record Dec. 31. This increases the annual rate to 6 per cent, from 4 per cent.

Of Interest in the Trade

Sterling Products, Inc., has declared an extra dividend of \$1 a share.

Frederick Boehm, Ltd., is now located at 45 Park Place, New York.

Sumet-Solvay Co.'s Chicago office announces that on Jan. 1 that office was amalgamated with the office of Wing & Evans, Inc., 30 N. Dearborn st., Chicago.

Exhausted molasses (black strap), one of the raw materials for alcohol production in the United States, is becoming difficult to obtain in Cuba, according to Trade Commissioner Frank E. Coombs, Havana.

United States Civil Service Commission announces that receipt of application for examination to fill vacancy of assistant geologist (qualified in petrography) will close on Jan. 8. Additional information may be obtained from the Commission at Washington, D. C.

Malcolm McKenzie, who recently resigned as president of McKenzie & Foster, Inc., has formed a partnership under the name McKenzie & Co. with offices at 75 Fulton st., New York. The company will conduct a commission business in general produce and raw materials from India, Ceylon, East Indies, China and Japan.

American Cellulose & Chemical Manufacturing Co., Ltd., Amcelle, Md., will start work soon on an additional plant for the manufacture of artificial silk. The entire plant, including the new addition, with all equipment, will cost \$7,000,000, and when fully operated will employ 2,500 workers. Guy Leonard, who has resigned as manager of the company, has been succeeded by Arthur J. Fitch, works manager of the company's plant at Derby, England.

CALL FOR DYE CENSUS INFORMATION

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Jan. 2—The Tariff Commission has begun work on the 1923 census of dyes and other synthetic organic chemicals. The blank forms will go forward to domestic producers Jan. 2. A co-operative arrangement has been made between the Commission and the Census Bureau in the collection of these production statistics, the purpose of which is to eliminate duplication of work by the manufacturer made necessary in rendering two separate reports at different times to the Census Bureau and the Tariff Commission.

It is expected that the report will be published July 1 or at an earlier date, depending upon the promptness with which manufacturers return the schedules. Complete statistics of imports and exports during 1923 also will be included, and a feature inaugurated in the 1922 report, presenting statistics of imports and exports of all large dye producing and consuming countries will be continued. Additions will be made to the 1923 report, concerning which announcement will be made later.

This series of annual census reports denotes the progress of the dye and chemical industries since 1917, the year covered in the Commission's first report. These reports, particularly that for 1922 elicited much favorable comment from the trade and has been referred to by English and French chemists in correspondence with the Tariff Commission as the most complete and highly technical census published.

BANK SEES GOOD BUSINESS AHEAD

A forecast of business prospects for 1924 by the National City Bank, New York, says in part: "As the year end approached, evidences have multiplied that instead of running into a quiet period the industries are likely to continue through the Winter at a good rate of operations, and there is little doubt that Spring will give a renewed stimulus to all activities.

"The problems of labor, prices, agriculture, taxes, politics, foreign affairs and reduced profits are holding imagination so far in check that business in general is moving along at a steady and careful rather than an excited pace. Activity is less at the moment than it has been for a number of months past, and it is conceivable that it may slip downward further before there is an upturn. However, there is immediately in sight nothing resembling a period of business depression; the features of strength in the present situation are too pronounced for that. There is one difference between the opening of 1924 and the opening of 1923 that is in favor of the present year. Last January there was under way an upward rush of business that speedily carried activity to a level which was too high to be maintained. There is no sign now of any general over-buying of goods, or of any overexpansion of credit which would lead to a runaway and perilous boom."

HOOVER SAYS OUTLOOK IS BRIGHT

Herbert Hoover, Secretary of Commerce, says: "In 1923 the United States has witnessed the highest total productivity and movement of commodities since the war, with full employment, high real wages, greatly increased savings, large additions to home building, and the largest increase in railway equipment since the war. The whole has been accompanied by a remarkable absence of speculation, consequent over-accumulation of consumable goods, or dangerous expansion of credit. As we are not in a boom we can expect freedom from a slump.

"The economic outlook for our own country for the next year is bright. In general the world situation is hopeful. The general spirit of prudence, the absence of speculation, high production, and the great financial strength and stability of the important states in the Western Hemisphere, together with the promise of the early conference for systematic consideration of constructive solution of the world's greatest economic menace—Franco-German relations—all create a hopeful foundation on which the New Year may build."

Average prices for December were 151 per cent of the pre-war level, according to Prof. Irving Fisher, of Yale University. Crump's index number was 154 for December; last quarter average, 150, and average for 1923, 149. The purchasing power of the dollar for the last week was 66 3/10 pre-war cents. December averaged 66 4/10 pre-war cents and the year 1923 averaged 63 4/10 pre-war cents.

The steamer "Conejas" of the United States Shipping Board, registering 800 tons and proceeding from Poti, north of Batum, on the Black Sea, for New York with a cargo of manganese ore valued at \$250,000, is reported to have foundered in the Black Sea. The captain and crew numbering 35 men, it is reported, took to small boats when the ship began to sink.

Imports of fine chemicals are again on the increase as shown by returns this week: 1,510 kegs tartaric acid; 340 barrels citric acid; and 1,120 flasks mercury. Stocks of these items are already heavy and with further importations, lower prices are freely predicted in the trade.

CORN PRODUCTS INCREASES COMMON STOCK FROM \$5,000,000 TO \$75,000,000

Preferred Reduced From \$30,000,000 to \$25,000,000—Earnings in 1923 About Equal to 1922—Excitement in Wall Street When Announcement is Made

Corn Products Refining Co. announces a special meeting of stockholders March 25 for the purpose of increasing the authorized common capital stock from \$5,000,000 to \$75,000,000 and of reducing the preferred capital stock from \$30,000,000 to \$25,000,000. At the same time the present capital stock of \$100 a share par value will be reduced to \$25 a share par value. If the plan is approved, stockholders will receive five shares of the new \$25 par value stock for each share now held. It is said the Directors intend to pay dividends of \$2 a share annually on the new stock. This would be equal to \$10 a share on the present stock, on which \$9 a year is now paid, including extra dividends.

An extra dividend of 75 cents a share and a quarterly dividend of \$1.50 a share was declared on the common stock, payable Jan. 19 to stockholders of record Jan. 5. The regular quarterly dividend of \$1.75 a share was also declared on the preferred stock, payable Jan. 15 to stockholders of record Jan. 5.

In reference to earnings it was said that with income for the current month the balance available for the common stock in 1923 would be about the same as in 1922, when about \$17.50 a share was earned.

When announcement of the dividend declarations and the contemplated stock split-up was reported on the Wall street news tickers there was excitement in many of the brokerage houses. The common stock of Corn Products has been bid up about 20 points within the past few weeks in anticipation of some favorable announcements from the directors.

One ticker announced "Regular Dividends." Many speculators immediately rushed for the "sell" pads in brokers' offices and flooded floor brokers with selling orders. This caused a reaction of 4 points in the stock from 156 to 152. After the orders were filled speculators strolled back to the tickers, which by this time were referring to the proposed increase in capital and the splitting up of the common stock by distributing five shares of the new for one share of the present stock. This caused another scramble, but this time the "buy" pads were selected, traders being anxious to get back the stock just sold. The subsequent buying caused a rally of 3 1/2 points in the stock to 155 1/2. Following this recovery the stock again became irregular and sagged off, due to conflicting orders. It closed at 153 1/4, at which level it recorded a net loss of 4 1/4 points for the day.

METHANOL OUTPUT UP AGAIN

Acetate of lime and methanol production for October based on reports from manufacturers has been announced by the Department of Commerce as 12,822,384 pounds acetate of lime and 662,708 gallons methanol. The production for the first ten months of 1923 follows:

	Acet. Lime Lb.	Methanol Gal.
January	15,478,065	888,608
February	13,194,735	726,037
March	14,732,054	786,774
April	13,237,584	710,987
May	14,667,584	796,481
June	14,129,529	727,458
July	12,873,572	645,673
August	12,815,237	649,063
September	11,541,468	568,091
October	12,822,384	662,708

[JANUARY 2, 1924]

U. S. SMELTING PAYS PREFERRED DIVIDEND

United States Smelting, Refining & Mining Co. has declared a quarterly dividend of 87½c a share on preferred, payable Jan. 15 to stock of record Jan. 7. The directors issued the following statement:

"The consolidated earnings for the 11 months of this year to Nov. 30 are estimated at \$3,688,000. After providing all interest, there have been deducted from these earnings reserves amounting to \$1,510,000 for depreciation, depletion and amortization, leaving estimated net earnings for 11 months of \$2,178,000. In completing the profit and loss account for the year the December earnings, quotational gains on sales of metals during the year and annual adjustments will increase the profits now reported. The net profits for the year after reserving for Federal taxes and after making additional reserves, estimated at approximately \$500,000 for further amortization of capital investments and other purposes, will be sufficient to provide the dividends on the preferred stock, \$1,702,225, and leave a small addition to surplus. It is estimated that the net current assets at the end of the year will be about \$13,200,000, compared with \$11,700,000 a year ago."

American Smelting will be affected less by disbanding the Copper Export Association than any other issue in the copper group, says "Financial America." The company was the first to start the disagreements in the organization because it desired to be relieved of the agreement to sell metal produced from purchased ore through the Export Association. Smelting can well take care of itself, because in addition to copper, it is a big smelter and refiner of other metals, and most of the earnings recently have come from the minor metals and other activities outside of the copper end of the business.

Bradstreet's reports 348 failures for last week in the United States compared with 440 for the previous week and 368, 445, 470, 82 for the corresponding weeks of 1922 to 1919. The New England States had 44, Middle 86, Western 64, Northwestern 29, Southern 83, Far Western 42. Canada had 26 failures for the week, against 48 for the preceding week. In the United States about 70 per cent of the concerns failing had \$5,000 capital or less and 16 per cent had from \$5,000 to \$20,000 capital.

Buying of United States Industrial Alcohol has been the most persistent on record and is based on stories of huge sales by the company which have been unusually profitable. The action of the stock has resulted in discussions of the possibility of resuming dividends on the junior issue. It is taken for granted that with earnings running at a high rate and the outlook for 1924 favorable for still larger revenues something will eventually be done for the holders of the common stock.

The Interstate Commerce Commission announces that Henry C. Hall, has been unanimously elected Chairman of the Commission for the ensuing year, beginning Jan. 1. The election of a chairman, according to the policy adopted by the Commission in 1911 is that the term of office of the chairman of the Commission shall be filled from year to year in the order of seniority of service. B. H. Meyer has been chairman during the past year.

The Atlas Powder Co. has declared a quarterly dividend of 1½ per cent on the preferred stock, payable Feb. 1 to stock of record Jan. 19.

The judgment obtained by Innis, Speiden & Co., against Sigmund Baar, on Dec. 12, for \$112.65 has been satisfied.

New Incorporations**Chemical Industry**

Nitrogen Engineering Corp., New York. 1,000 shares common, no par value. Manufacture nitrogen. R. Brennan, Jr., P. G. Brennan, P. D. Bernard. Attorneys, Wing & Russell, 14 Wall st. Cook Laboratories, Wilmington, Del., \$2,500,000. Operate anti-toxin and physical laboratories.

Na Hu Laboratories, New York, \$20,000. Chemists H. and R. Lichtig, K. Proper. Attorneys, Proper & Lichtig, 501 East 161st st.

Consuming Industries

Worman Silk Co., 604 Colt Bldg., Paterson, N. J., \$125,000. Silk and other textile fabrics.

Northern Cotton Corp., Boston, \$2,000,000. Wm. L. F. Gilman, Wheaton Kittredge, Archibald C. Gove.

Burgemeister Products Co., Warsaw, New York, \$75,000. Manufacture and deal in beverages. F. A. Williams, E. M. Seman, J. V. Fesham. Correspondent, Justus L. Johnson, 206 Mercantile Block, Aurora.

Rafter Candy Co., Wilmington, Del., \$100,000. Colonial Charter Co.

Vella Radium Capoli Corp., Buffalo, \$20,000. Make soap. P. Vella, C. Iannello, C. Grillo. Attorney, F. di Bartolo.

Parkway Drug Shop, 308 Chelsea Bank Bldg., Atlantic City, N. J., \$100,000. Druggists, chemists.

Whitfield Paper Works, Red Bank, N. J., \$200,000. Howard Whitfield, Warren H. Smock.

Philadelphia Rubber Works, Philadelphia, \$3,800,000. Delaware corporation. Corp. Trust Co. of America, duPont Bldg., Wilmington, Del.

Transatlantic Drug Co., Wilmington, Del., \$1,100,000. Delaware Charter Co.

Hydrolene Co. of America, San Francisco, \$25,000. Stanley Pedder, C. A. Rosier, H. J. Delk, J. R. Whitmire, Grant Y. Alexander. Attorney, Stanley Pedder.

Standard Plate Glass Corp., Wilmington, Del., \$16,000,000. Make glass and glassware.

Pro-Ven Laboratories, Wilmington, Del., \$50,000. Perfumes, biological products.

Standard Agricultural Chemical Corp., Wilmington, Del., \$75,000. Manufacture fertilizers, chemicals, plant foods.

Armour Products Co., Chicago, \$1,000,000. Paints, varnishes, oils. United States Corp. Co., Dover, Del.

James, Perfumeur, New York, \$75,000. J. J. Nevins, C. Kennedy, M. L. Phelan. Attorney, M. Nave, 2 Rector st.

Triangle Laboratories, New York, \$25,000. Drugs. J. L. Carty, M. B. Moskowitz. Attorney, J. A. Byrne, 305 Broadway.

Calumet Pictures Corp., Dover, Del., \$600,000. To take and exhibit films. E. L. Blimline, James Lindsay, T. S. Kingman Registration Trust Co.

Bennett Leach, Wilmington, Del., \$100,000. Food products. Colonial Charter Co.

Olden Beverage Co., 150 North Olden Ave., Trenton, N. J., \$100,000. Manufacture beverages.

Pillsbury Flour Mills, Wilmington, Del., \$12,500,000. Manufacture food products, cereals. Corp. Trust Co. of America.

Keystone Chemical Products Corp., Wilmington, Del., \$100,000. Soaps.

Eclipse Chemical Co., Wilmington, Del., \$100,000. Deal in chemicals.

M. H. S. Paint Manufacturing Co., Wilmington, Del., \$150,000.

Beacon Tire & Rubber Corp., New York, \$2,500,000. H. W. Raprocki, F. C. Taylor. Attorney, F. J. Knorr, Albany.

Sykes Laboratories, Inc., 1326 W. Congress st., Chicago, \$7,500. To manufacture aromatic chemicals. Geo. D. Cheronis, Nicholas D. Cheronis, Guy H. Powell.

Mother Superior Co., 11 South La Salle st., Chicago, \$25,000. To make proprietary remedies. A. R. Hall, H. F. Clark, H. A. Dodge. Attorneys, Gallagher, Kohlsaat, Rinaker & Wilkinson, 11 S. La Salle.

Hartford Tissue Mills, East Hartford, Conn., \$50,000. Edward Dugan, Leo J. Noonan, 36 Pearl st.

Cox, Hall & Cox Leather Co., Boston, Mass., 1,000 shares stock, no par value. Oliver Hall, George E. Cox.

Standard-Paper Co., San Francisco, Cal., \$100,000. George A. Connolly, C. M. Treacy, Arthur J. Harsfeld. Representative, Jerome Polizer, Mills Bldg.

Best Kid Co., Philadelphia, \$500,000. Operate tannery. Corp. Guarantee & Trust Co.

Evershine Co., Atlanta, Ga. Metal polishes. Dr. T. Poole Maynard, M. P. Phipps.

L. J. Steinhardt & Co., Newark, N. J., \$125,000. Operate tannery. John H. Meister, R. Flaster. Representative, Bilder & Bilder, 790 Broad st.

Durable Paint Co., Brooklyn, \$50,000. Paints, oils, varnishes. J. Hudson, R. A. and J. J. Keegan. Representative, L. H. Hahlo, 230 Broadway, New York.

F. G. Leslie Paper Co., Wilmington, Del., \$200,000. Paper products. Corp. Service Co.

Enterprise Rubber Co., Yardville, N. J., \$100,000. Rubber products. John Masich, Leo McCue, J. E. Catana. Representative, J. Irving Davidson, American Mechanic Bldg., Trenton, N. J.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Dec. 29

	Bid	Asked		Bid	Asked
Air Reduction	66 1/4	67 1/2	Hercules Powder	106	110
*Allied Chem. & D.	68 1/2	69	Hercules Powd., pf	103	104
*Allied Ch. & D.	110 1/4	111 1/4	Heyden Chem.	1 1/4	1 1/2
*Am. Ag. Ch.	12 1/2	13	Hoover Electro	55	65
*Am. Ag. Ch., pf.	40	41	Hoover Electro, pf.	60	70
*Am. Chicle	15 1/2	16	"Household Products	34 1/4	34 1/2
*Am. Cot. Oil Cfts.	10 1/2	10 1/4	"Int. Agricult.	5 1/2	6
*Am. Cot. Oil Cfts., pf.	30	31	"Int. Nickel	13 1/2	14
*Am. Cyan.	86	89	"Int. Nickel, pf.	78 1/2	80
*Am. Druggist S.	73	75	"Int. Salt	77	80 1/2
Am. Gluc.	82	83	Mathieson Alk.	37 1/4	38
Am. Glue, pf.	124	126 1/4	Merrick	60	64
*Am. Linseed	17	18	Mulford Co.	29	34
*Am. Linseed, pf.	34 1/2	35	Mutual Co.	150	150
*Am. Zinc	74	74 1/2	"National Lead	141 1/2	142 1/2
*Am. Zinc, pf.	27	27	"National Lead	109 1/4	111 1/4
Archer-Dan-Mid	25	27	N. J. Zinc	146	150
*Atlas Powder	54	56	Niag. A., pf.	96	100
*Atlas Powd., pf.	85	89 1/2	Parke, Davis & Co.	97 1/2	98
By. Prod. Co.	67	72	Penn Salt	86	88
Carborundum	135	138 1/2	*People's Gas, Chi.	97 1/2	98
Carborundum, pf.	113 1/2	116	Procter & Gamble	124	128
Casein Co.	60	65	Procter & Gam., pf.	102	106
Celluloid Co.	80	88	Royal Bak. Po.	125	135
Celluloid Co., pf.	107	110	Royal Bak. Po., pf.	87	99
Ches. Mfg.	233	238	Sherwin-Williams	28 1/2	30
Ches. Mfg., pf.	110	114	Sherwin-W., pf.	101 1/4	100
Com'l Solv. A.	40	45	Stand. Ch.	90	100
Do B	37	37 1/2	Swan & Finch	37	40
*Corn Products	156 1/2	158	*Tenn. C. & Chem.	9	9 1/2
*Corn Products, pf.	119 1/4	121	*Tex. Gulf, Sul.	60 1/2	60 1/2
*Davison Chem.	71 1/2	71 3/4	Union Carbide	56	56 1/2
Dow Chem. non par	46	47	Union Sulphur	..	..
Dow Ch., pf.	96	96	Un. Drug	70 1/2	80
*Du Pont de Nem.	129	130	Un. Drug, 1st pf.	47 1/2	48 1/2
*Du Pt de Nem. Db.	85 1/2	86 1/4	Un. Dyewood	40	46 1/2
*Eastman Kodak	108	109	Un. Dyewood, pf.	93 1/2	98
*Eastman Kodak, pf.	108	108	Un. Gas Imp.	57 1/2	58 1/2
Freeport Tex.	12	12 1/2	Un. Gas Imp., pf.	55	55 1/2
Freep. Tex. Sul. pf.	91	93	U. S. Gypsum	89 1/2	92
Gold Dust, w.i.	30	31 1/2	U. S. Indus. Al.	69 1/4	70
*Grasselli	125	133	U. S. Indus. Al., pf.	96	98
*Grasselli, pf.	102	105	Va.-Car. Ch.	84	94 1/2
			Va.-Car. Ch., pf.	30	30 1/2
			V. Vivaudou	14 1/2	14 1/4

*Listed on New York Stock Exchange

The American Metal Co., Ltd., and subsidiaries in a report to the New York Stock Exchange for the nine months ended Sept. 30, 1923, show net income of \$2,077,557 after expenses and depreciation. Consolidated income account for the nine months follows: Gross income after deducting expenses \$2,466,656, depreciation \$389,099, net income \$2,077,557, minority interest subsidiary \$9,975, dividends \$1,468,500, surplus \$599,082.

Avri Drug & Chemical Co., Jersey City, N. J., is still in financial straits and the Bergen National Bank one of the largest creditors, has petitioned the court to have the affairs of the company brought to a close. Liabilities total \$37,481.30, and book assets amount to \$65,403.47.

An extra dividend of 25 cents a share in addition to a quarterly dividend of 25 cents a share has been declared on the capital stock of St. Joseph Lead Co. Both dividends are payable March 20, 1924, to stockholders of record March 8.

Glidden Co. has officially informed the New York Stock Exchange of a proposal to increase the capital stock of the company by issuing \$7,500,000 prior preference 7 per cent cumulative preferred stock.

Crow Chemical Co., a New Jersey corporation, has designated the Secretary of State as the representative of the company in New York.

Allied Chemical & Dye Co. has declared the regular quarterly \$1 common dividend, payable Feb. 1, to stock of record Jan. 15.

Barnet Leather Co., New York, has declared a regular quarterly dividend of 1 1/4 per cent on the preferred stock.

CHEMICAL STOCKS SOLD AT AUCTION

Securities sold at auction at 14 Vesey st., New York, on Dec. 19, included the following shares of drug and chemical companies and allied industries:

423 shares National Drug Stores Corp., common	\$85 lot.
173 shares Radium Co. of Colorado, common	1,375 shares Radium Co. of Colorado preferred, \$25 lot.
160 shares National Drug Stores Corp., preferred	\$6.50 per share.
310 shares National Drug Stores Corp., common	375 lot.
100 shares Phosphate Mining Co.	\$35 per share.
1,000 shares Southern Phosphate Corp.	\$2.75 per share.
50 shares Grantron Chemical Co., preferred	and 37 1/2 shares common, \$65 lot.
234 shares Independent Chemical Co., Inc., common	trust certificate;
234 shares Independent Chemical Co., Inc., 7% cum. 1st preferred, trust certificate	and 12-20th of a share scrip;
\$5.50 per share.	\$50,122.66 Lakeland Phosphate and Fertilizer Co., 8%, demand notes, \$3,373.33 dated May 10, 1923, and \$1,639.33 dated Aug. 15, 1923, \$12 lot.
800 shares Quicksilver Mining Co., common	1,000 shares Quicksilver Mining Co., preferred, \$30 lot.
2,034 shares Manganese Corp. of Virginia, common	1,335 shares Manganese Corp. of Virginia, preferred, \$25 lot.
\$30,300 Manganese Corp. of Virginia bonds	\$105 lot.
2,440 shares Manganese Corp. of Virginia, common	1,622 shares Manganese Corp. of Virginia, preferred, \$50 lot.
3,652 shares Manganese Corp. of Virginia, common	2,483 shares Manganese Corp. of Virginia, preferred, \$75 lot.
\$30,200 Manganese Corp. of Virginia bonds	\$205 lot.
60 shares Anasco Co., common	\$75 lot.
240 shares Anasco Co., common	\$280 lot.
250 shares United Zinc and Chemical Co., preferred	\$10 lot.
260 shares United Zinc and Chemical Co., common	\$2 lot.
2,100 shares Flake Graphite Co. of New York	\$7 lot.
208 shares Southern Menhaden Corp.	\$10 lot.
\$10,000 Southern Menhaden Corp. first mortgage	6%, 10-year gold bonds, due July, 1929, \$100 lot.
1,000 shares Pictorial Soap Mfg. Co., Inc.	\$1,000 lot.
500 shares Catalytic Chemical Co.	\$4 lot.
400 shares General Food Products Co.	\$1 lot.
\$100,000 Oceanic Quicksilver Co., first mortgage	5%, bonds, due 1927; Dec., 1922, coupon on; \$100 lot.
250,000 shares Oceanic Quicksilver Co.	\$100 lot.
Promissory note Oceanic Quicksilver Co.	\$66,000, dated April 19, 1923, due April 19, 1927, \$10 lot.
90 shares Reliance Aniline and Chemical Co., Inc.	common, \$1 lot.
900 shares Reliance Aniline and Chemical Co., Inc.	preferred, \$1 lot.
566 shares Shashta Zinc & Copper Co.	\$5 lot.
\$1,000 Shashta Zinc & Copper Co.	8% bond, January, 1923, coupon on, \$20 lot.
500 shares Shashta Zinc & Copper Co.	\$3 lot.

Net profits of Household Products, Inc., for 1923 are estimated at \$2,250,000, equivalent to \$4.50 per share on 500,000 shares of common no par value. The stock is on a \$3 annual basis and dividend requirement is \$1,500,000 annually. The company was organized early in 1923 as a holding company and owns the entire \$25,000,000 capital stock of the Centaur Co. (the operating company) which manufactures Charles H. Fletcher's Castoria. Sales for the current year have been approximately 21,000,000 bottles of Castoria, compared with 20,778,192 bottles in 1922 an average of about 19,950,000 annually for the last five years.

Earnings of William Wrigley, Jr., Co. of \$5,740,458, or \$3.19 a share on the increased capitalization in the first nine months of this year, indicate that the official estimate of \$7,200,000, or \$4 a share on the entire year, will be exceeded, says the "Wall Street Journal." Sales are continuing in fully as good a volume in the last quarter and if earnings continue at the same rate in proportion to sales, \$7,653,444, or \$4.25 a share would be earned.

American Can Co. has declared a dividend of \$1 a share on the company's common stock in addition to a quarterly payment of \$1.25 a share. Both dividends are payable Feb. 15 to stockholders of record Jan. 31. F. S. Wheeler, chairman of the Board, said that earnings of the company for the current year were satisfactory, with prospects for good business in the new year.

The advance in National Lead common stock, last week, is attributed to the uprising in Mexico, which may interfere with lead production in that country.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 40

CALCIUM ARSENATE DEMAND UNCERTAIN

Last Year's Failures and Uncertain Future Keeping Buyers Out of Market—Arsenic Slightly Easier on Spot—Ammonium Sulfate Trifle Firmer—Copper Sulfate at Low Levels—Alkalies in Steady Demand—Last Week of the Year Quiet in Market

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Ammonium Sulfate, bulk, 10c 100lbs.

Declined

	Barium Carbonate, Imp., \$1 ton				
	Last Week	Last Month	Last Year	War Peak	Pre-War
Trend of the Market					
Acetic Acid Glacial...lb.	\$12 $\frac{1}{4}$	\$12 $\frac{1}{4}$	\$12 $\frac{1}{4}$	\$12	\$19 $\frac{1}{2}$.07
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00 20.00
Ammonium Sulfate...100 lbs.	2.90	2.80	2.80	3.20	7.50 2.65
Bleaching Powder...100 lbs.	1.25	1.25	1.25	2.00	9.50 1.50
Copper Sulfate ...100 lbs.	4.60	4.60	4.60	6.00	20.00 4.50
Potash Caustic, Imp...lb.	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.06 $\frac{1}{4}$	.07	.06 $\frac{1}{2}$.08
Soda Ash, 58 p.c....100 lbs.	1.94	1.94	1.94	2.00	3.50 .60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.66	3.70	9.50 1.42
Potassium Bichromate ...lb.	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.10	.65 .06 $\frac{1}{4}$
Sodium Prussiate .....lb.	.11 $\frac{1}{4}$	.11 $\frac{1}{4}$	.11	.19	1.25 .18
Average	2.97 $\frac{1}{4}$	2.96 $\frac{1}{4}$	2.96 $\frac{1}{4}$	3.11 $\frac{1}{4}$	10.79 2.99

The final week of 1923 closed with little more than routine business taking place in the market for industrial chemicals. The fact that a holiday spirit prevailed and the annual inventory period was in progress prevented buying except in actual requirements and occasional orders for future delivery. Contract business for next year is reported to have been of satisfactory volume and the outlook for 1924 is encouraging. Prices, on the whole, are at low levels and from the present status of the market, are likely to remain fairly stationary except for occasional spurts of recessions in a few items.

Calcium arsenate has not been moving according to expectations for forward delivery. Last year many losses and failures resulted from early speculation in this commodity and delayed consumption from the consumers. Less speculation is reported this year and consumers are not yet in the market. Present prices are also delaying buying as some consumers are hoping for lower quotations. Producers of arsenate are in a quandary with arsenic at high prices and are not buying until they can see an outlet for their product. Arsenic has slowed up and spot prices are a trifle easier, though futures continue firm from abroad. Ammonium sulfate has strengthened a trifle. Bleaching powder is gaining strength. Copper sulfate is selling at low prices. Barium chloride is firm. Copperas is easier. Caustic potash is at low levels. Prussiates are unchanged. Alkalies have been selling well on contract. Heavy acids are stronger.

Acid, Acetic—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Acid, Oxalic—Fair buying was reported with prices holding at recent levels. Domestic producers are quoting 12c@12 $\frac{1}{2}$ clb. while imported material is named at 11 $\frac{1}{4}$ c@12clb.

Acid, Muriatic—A firmer and stronger market for less than carlot quantities is reported from makers. In tanks 20° material is named at \$1.00@\$1.10 and in car-

boys at \$1.30@\$1.80 as to quantity; 22° material \$1.75@\$2.30.

Acid, Sulfuric—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@\$16.00 ton at works; drums named at \$1.10@\$1.25 and carboys, \$1.25@\$1.75; 60° in tanks named at \$9.00@\$10.00 ton; oleum at \$17.00@\$18.00 ton for 20 per cent; drums, \$1.25@\$1.75.

Acetone—Demand is keeping supplies moving regularly. No large quantities are available and prices are firm at present quotations. C.P. at 25c@25 $\frac{1}{2}$ clb.; methyl acetone, \$1.15@\$1.20; acetone oil, \$1.25@\$1.30.

Ammonium Sulfate—Appears slightly stronger with prices at works firmer and higher at \$2.95 for bulk and \$3.10 for single bags. F.a.s. prices are still at low levels at \$2.80@\$2.85.

Ammonium Chloride—Unchanged with imported white at 6 $\frac{1}{2}$ c@6 $\frac{3}{4}$ clb. and grey, 7 $\frac{1}{2}$ c@8clb. Domestic at 7 $\frac{1}{4}$ c@8clb. for white and 8c@8 $\frac{1}{2}$ clb. for grey.

Arsenic—There was little activity in the market during the week. Consumers were not interested in spot and prices declined to 13clb. though most sellers were quoting 13 $\frac{1}{4}$ clb. Prices for futures and shipments remain firm with quotations at 13 $\frac{1}{4}$ c@14 $\frac{1}{4}$ clb. The uncertainty of the future in calcium arsenate is delaying purchases of arsenic at present as well as the high prices asked. Calcium arsenate is selling at 12 $\frac{1}{2}$ c@15clb. according to position.

Barium Products—Imported carbonate appears easier and prices are quoted at \$69.00@\$70.00 ton. Domestic makers are asking \$70.00 ton at works. Chloride is firm at \$85.00 ton. Nitrate at 8c@8 $\frac{1}{2}$ clb. Hydrate, 5c@5 $\frac{1}{2}$ clb.

Bleaching Powder—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

Copper Sulfate—Buying from agricultural districts for future delivery has been taking place in better volume. Prices are still at low levels with domestic producers quoting \$4.60@\$4.65 in carlots and up to 5clb. in smaller lots. Imported material is offered at 4 $\frac{1}{2}$ c@5clb. according to seller.

Copperas—Easier under competition and lessened demand at present. Quoted at \$17.00@\$18.00 ton in bulk; bags, \$20.00@\$21.00, and barrels, \$22.00@\$23.00 ton.

Potash, Caustic—Shipments from abroad continue at 6 $\frac{1}{2}$ c@6 $\frac{3}{4}$ clb. while spot material is named at 6 $\frac{3}{4}$ clb.

Potassium Bichromate—Little activity was reported during the final week and prices remained at former levels at 9 $\frac{1}{2}$ c@9 $\frac{3}{4}$ clb.

Soda Ash—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@\$2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@\$2.44.

Soda, Caustic—Deliveries slowed up at the close of the year but with nearly all contracts closed for next

year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@\$3.91 as to quantity, delivered, in the metropolitan district.

Sodium Bichromate—Quiet at the close with prices holding at former quotations of $7\frac{1}{2}$ c@ $7\frac{1}{2}$ c/lb. according to seller and quantity.

Sodium Prussiate—Little activity was reported during the week and prices showed no change. Imported quoted at $11\frac{1}{2}$ c@ 12 c/lb. as to seller. Domestic at $12\frac{1}{2}$ c/lb.

Sodium Sulfide—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from $3\frac{1}{2}$ c@ 4 c/lb. and broken at $4\frac{1}{2}$ c@ 5 c/lb.; crystals named at 2 c@ $2\frac{1}{2}$ c/lb. as to seller.

Wide fluctuations in the price of sodium nitrite are shown in quotations during the last six years. From about 5 to 6 cents per pound, the price rose steadily to 44 cents in October, 1917. From then on it fell to 32 cents in October, 1918, and to 11 cents in October, 1919. It is significant that in 1918, American production attained its maximum. The 1920 minimum price was 13 cents, maximum 30 cents; 1921 showed 6 to 10 cents; 1922, 6 cents in January and 10 cents in October. During 1923 the price has dropped from 10 in January to $7\frac{1}{2}$ in September. Foreign nitrite was quoted at $7\frac{1}{2}$ cents in September.

Estimated production of coke in the Connellsburg and lower Connellsburg districts last week was 183,060 tons credited to the two districts as follows: Connellsburg 105,580 tons, an increase of 1,670 tons, and lower Connellsburg 77,480, an increase of 370 tons, or a combined increase of 2,040 tons, compared with a net increase of 6,850 tons in preceding week. Market is now quotable as follows: Spot furnace \$3.85@\$4.00, contract furnace \$4.15@\$4.40, spot foundry \$5.00@\$5.50 and contract foundry \$5.25@\$6.50.

Stocks of sodium nitrate amounting to nearly 100,000 tons held by the War Department will be held as a reserve and no further sales of this material will be made by the Department. No other raw material for munitions is being held, other than nitrate, owing to the fact that this material must be imported and a reserve is necessary.

"Arsenic, Calcium Arsenate and the Boll Weevil" is the title of a 42 page pamphlet, published by Barr-Erhardt Press, Inc., New York, containing reprints of a series of articles and addresses by Howard A. Ambruster, New York, published in various trade journals during the past two years.

Surplus stocks of 18,000,000 pounds of "sodatol," a war time explosive held by the Government, will be distributed by the Bureau of Public Roads for road building and agricultural blasting. Sodatol is a mixture of TNT and sodium nitrate.

The report from Philadelphia that Charles A. Wagner & Co. would represent Matheson Alkali Works in Philadelphia, effective Jan. 1, is not confirmed by Wagner & Co. nor by Matheson, who request a denial of the rumor.

Dr. Charles A. Kraus, professor of chemistry at Clark University, has been awarded the Nichols medal for the current year for the best paper published in the American Chemical Society journals.

Durex Chemical Corp., New York, makers of barium compounds, announces that the company has dissolved.

CALL FOR NITROGENOUS FERTILIZERS

The director of the Fixed Nitrogen Research Laboratory, in his annual report to the Secretary of Agriculture, Washington, estimates the annual consumption of nitrogenous fertilizers in the United States at 200,000 tons. He says in part:

"Study of the direct synthetic (Haber) ammonia process by this laboratory," says the report, "has developed a very reactive and stable catalyst, the importance of which must not be under-estimated. Although the production of an efficient and dependable catalyzer was the first necessary step and key to the whole problem of synthetic ammonia, now that this has been accomplished the next and greatest opportunity for reducing the cost of ammonia production lies in the manufacture of pure hydrogen consumed in the process."

"At the present the cost of hydrogen and its purification before it can be combined with nitrogen by the catalyzer represents about two-thirds the cost of the ammonia produced. It is in the problem of purification that there appears to be the greatest chance for improvements and thus for reducing the cost of the ultimate product, fertilizers, and it is on this account that it is proposed in the coming year to center a large proportion of the laboratory's efforts upon this problem of pure hydrogen production."

SOUTH BUYING MORE FERTILIZERS

Increased prosperity in the South is reflected in the fertilizer industry, which is believed to have turned the corner after one of the longest and most disastrous depressions in the history of the trade. Prospects for 1924 are regarded as very encouraging, and the demand for fertilizers promises to equal that of 1914. On account of the high prices of cotton, corn and other farm products, increased acreage is certain, and fertilizer manufacturers are expecting a big gain in volume of business.

The South alone consumes about two-thirds of the fertilizers used in the country, and a large part of the cotton belt is reported to be undernourished, some sections having had insufficient fertilizers for several years. Actual tonnage used last season, totaling about 4,000,000, was 800,000 tons more than the 1922 period, but 995,224 tons under the peak of 1914.

PENNSYLVANIA SALT CO. 73 YEARS OLD

Pennsylvania Salt Mfg. Co. is the subject of the December issue of the "Girard Letter," published by the Girard Trust Co., Philadelphia. Referring to the company as one of the biggest producers of chemicals in the world, and describing its growth in the 73 years since the company was founded, the article describes the company's trade in kryolith, saying in part:

"Kryolith is white and from it comes that perfectly snowy enamel and tiling and porcelain which figure so greatly in modern kitchens, bathrooms and buildings. Barring a small deposit in Russia, that big mine in Southwestern Greenland is the only kryolith known to exist in the world. Pennsylvania Salt is the sole importer into the United States of this highly important product. Annual importations coming to Philadelphia from Greenland run above 10,000 tons."

MICHIGAN ALKALI OPENS SALES AGENCY

Michigan Alkali Co. and Edward Hill's Son & Co. announce the termination of the agreement by which Edward Hill's Son & Co. have acted as sales agents for Michigan Alkali. Sales are now made and existing contracts cared for by the general sales department of Michigan Alkali, 21 E. 40th st., New York. E. M. Taylor is sales director. The change was effective Jan. 1.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 48

PHENOL SCARCE AND HIGHER ON SPOT

Present Makers Using Their Own Production and Not Offering in the Market—Benzene and Toluene Market Lower—Cresylic Acid Quiet at Recent Prices—Naphthalene Slightly Stronger—Intermediates in Routine Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Phenol, open market, 3c lb.
Chromotropic Acid, 10c lb.		Derlined
Benzene, 90%, 1c gal.		Toluene, 1c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal. \$20	\$20	\$21	\$30	\$1.10	\$25
Naphthalene flake	lb. .06%	.06%	.06%	.06	.16	.03
Phenol, Spot	lb. .33	.30	.26	.35	1.50	.08
Toluene	gal. .22	.23	.23	.30		
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10%
Alpha-naphthylamine	lb. .35	.31	.35	.38	1.28	..
Benzaldehyde	lb. .75	.75	.75	.55		
Betanaphthol	lb. .26	.26	.26	.24	1.60	.08
Dimethylaniline	lb. .39	.39	.40	.39	1.30	
Paranitroaniline	lb. .73	.73	.73	.73	1.58	.18
Average	.345	.343	.342	.336	..	..

The last week of the year saw little activity in the market for coal-tar crudes and intermediates. The week was short owing to the seasonal holiday and business was mainly routine in character. The annual inventory period also had a tendency to slow up business since consumers have been taking only enough for their current needs. As for the future, some optimism has been expressed and many factors anticipate a fairly good period at least for a short while after the new year gets under way. Some contract business has been placed for delivery early in the year which seems to indicate that the early part of 1924 will be better than the latter part of 1923. In spite of the recent slowness in this market sales for the year are reported somewhat better than those of 1922. With the resumption of activity in textiles a livelier market is expected during the next few months.

Phenol prices have been moving upward again owing to the scarcity of supplies in the market. Present producers of the synthetic material are using practically all they are making and have none to offer. In the open market those who have odd lots are holding them for increasingly higher prices. The benzene market is at lower levels. Toluene and xylenes are also easier. Cresylic acid has been quiet owing to the season of the year. Competition has been keener in this field and some low offerings have been heard. Naphthalene is beginning to strengthen in anticipation of trading in Spring deliveries. Pyridine has been steadily growing easier. Chromotropic acid is quoted at higher prices. Some competition is reported in paranitroaniline. Other intermediates are steady.

Coal-Tar Crudes

Benzene—Some good business is reported for the early part of next year while current business is seasonal. Competition in this field is still sharp and to this present low prices are to some extent due, though the gasoline prices are still at recent low levels. Pure benzene is quoted at 20c@22c per gallon in tanks and 25c@27c in drums; 90 per cent benzene is slightly lower

at 18c@20c per gallon in tanks and 23c@25c in drums.

Cresylic Acid—Has been in quiet demand with supplies apparently quite plentiful at the moment. Competition has become sharper in this field and some low prices have been heard in the market but usually the material is of a lower grade than generally offered. Pale 97-99 per cent material is offered at 75c@80c per gallon and dark 95 per cent at 70c@75c. Crude is named at 60c@65c per gallon.

Naphthalene—Actual trading in the market has not developed and makers are busy on contracts. Dyestuff naphthalene is very quiet and generally quoted at 5½c@6clb. Flakes are named at 6½c@7½clb. as to seller and balls, 7½c@8½clb.

Naphtha, Solvent—Supplies are moving out regularly with tanks named at 21c@23c per gallon as to quantity and 26c@28c in drums.

Phenol—In the open market prices have advanced to 33c@35clb. Demand has not been heavy but with supplies scarce, present holders of material are quoting higher prices. Producers of synthetic material are utilizing their production and have none to offer in the market though nominally quoting 26clb.

Pyridine—Supplies are somewhat freer and offerings are quoted at \$4.00 per gallon on spot while shipments are named at \$3.50.

Toluene—Along with the lower market in light oil distillates prices are easier with quotations in tanks at 22c@24c per gallon and in drums at 27c@29c per gallon.

Xylenes—Occasional sales are reported with prices of 3° material steady at 40c@45c in tanks and 45c@50c in drums; 5° material is offered lower at 31c in tanks and 36c in drums; 10° material in drums at 34c per gallon; commercial at 26c@27c in tanks and 31c@32c in drums.

Intermediates

Acid, Anthranilic—Demand continues along routine lines with technical named at 94clb. and refined at \$1.00lb.

Acid, Cleve's—Occasional sales reported with prices named at \$1.00@\$1.10lb.

Acid, Gamma—In quiet demand at present with makers quoting \$1.65@\$1.70lb.

Acid, H—Regular consumers are taking fair quantities at present while new business is reported slow. Contract business is reported at 72clb. with prompt shipment named at 75c@80clb.

Acid, Chromotropic—Quoted higher at \$1.35lb. with demand routine.

Acid, Salicylic—Technical quoted at 32c@33clb. in a quiet market.

Aniline Oil—Producers continue to quote 16c@17clb. according to quantity with demand quiet in the final week.

Alpha-naphthylamine—Little activity reported and prices steady at 35c@37clb. by makers.

Beta-naphthol—Buying has been confined to small quantities which are selling at 26clb. In the open market occasional sales are reported slightly under this figure. Carlots are named at 25c@26clb.

Dimethylaniline—Unchanged at 39c@40clb. with buying quiet.

Ortho-toluidine—Less active and selling at 13c@15clb. as to seller and quantity.

Para-nitraniline—Prices are quoted at a range according to seller at 70c@74clb. Little activity reported during the week.

Salt sold in the United States in 1922 showed a general increase of 36 per cent in quantity but only 12 per cent in value. Total sales in 1922 were 6,792,849 short tons valued at \$27,464,838 against 4,981,154 tons valued at \$24,557,966 in 1921. Salt producers in the western and middle western states reported conditions generally improved in 1922 while unfavorable weather, coal strikes, labor shortage, and scarcity of cars tended to increase cost of operations, and the receipts were lower. Imports in 1922 were 111,710 short tons, and export 134,989 short tons.

The Toronto laboratory of the Canadian Woolen Manufacturers Association is rapidly approaching completion. Premises have been secured on McCaul st., and the necessary equipment is being installed by the Associated Chemists. The committee in charge includes D. C. Dick, Cobourg Dyeing Co., Cobourg; Dr. F. Zeidler, Dickinson Dye Works, Toronto; A. Burton, Middlesex Mills, Ltd., London, Ont.; H. B. Battye, Barrymore Cloth Co., Toronto; and F. F. Fitch, Textile Processing Co., Toronto.

The metallurgical industries of the United States, exclusive of iron blast furnaces, employed 44,000 men during 1922, an increase of nearly 18 per cent over 1921, according to the Bureau of Mines. The volume of work at mills in 1922 showed an increase of 37 per cent over the previous year; the increase at smelters was 9 per cent; while an increase of 69 per cent was shown for construction work, shops, and yards connected with the mills and smelters.

Bacteriological stains imported into the United States during October, 1923, were given out by the Chemical Division, Department of Commerce, Washington, as "pounds" imported. C. C. Concannon, chief of the Division, has issued a correction stating that the quantities should have been tabulated as grams instead of pounds. This error was pointed out by several readers of DRUG & CHEMICAL MARKETS and, in turn, communicated to Washington.

Newport Chemical Works, Passaic, N. J., have just announced that they are now producing Newport Direct Fast Scarlet 4 B A. The company claims that it is identical with the foreign made color using the same designation. The fact that this is one of the few products that will dye cotton and leave silk white in a bath and then discharge to a pure white is its most distinguishing feature.

A pamphlet on the "Effect of Tannic Acid on the Strength of Concrete" has been written by Duff A. Abrams and published by the Structural Materials Research Laboratory, Lewis Institute, Chicago.

Five hundred pounds of picric acid shipped by the United States Government to towns in Maryland to clear land and remove tree stumps, were distributed by the Maryland State Board of Agriculture.

Bright-Ellsworth Co., Los Angeles, Cal., dealing in industrial chemicals, has moved into the company's new building, 2475, 2477 and 2479 Porter St., Los Angeles.

National Humus & Chemical Co., Guardian Building, Cleveland, will rebuild the works near Houghton, Mich., recently damaged by fire.

GERMANY FIGHTS FOR WORLD DYE TRADE (Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Germany, Dec. 20.—The German Dye Kartel is now in position to export dyes freely, having signed an agreement with the French which gives the French 25 per cent of German production in the occupied zone, for about three months. The dye plants are receiving coal from German mines and the output has been increased to about 50 per cent of normal. The German dye companies were big losers in the Ruhr deadlock because their factories were reduced to a fifth of pre-occupation output. Before the war Germany produced 1,000,000,000 gold marks of dyestuffs a year. In 1922, the output represented about 300,000,000 gold marks. A director in a leading company said:

"Germany cannot hope to dominate world markets as in the past. England and above all America have built a powerful chemical industry. In many dyes America will set the pace. I do not regard the confiscated German patents of much further use. The patents are at least 10 years old. We have gone ahead with new concoctions to higher grades of dyes. We have good workers and research laboratories. But we have not the capital to continue to set the pace."

CANADIAN DYE IMPORTS DURING OCTOBER (Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Jan. 2.—Imports into Canada of dyeing and tanning materials during the month of October were valued as follows: From Britain, \$10,866; United States, \$220,333; other countries, \$78,093; total, \$309,292; compared with imports for October, 1922: From Britain, \$18,482; United States, \$225,634; other countries, \$59,840; total, \$303,956.

Imports of aniline and coal tar dyes included in the above were: From Britain, 22,201 lbs., value, \$8,836; United States, 161,312 lbs., value, \$104,024; Germany, 52,826 lbs., value, \$38,214; Netherlands, 19,315 lbs., value, \$11,908; Sweden, 22,438 lbs., value, \$7,422; Switzerland, 22,326 lbs., value, \$13,281; other countries, 700 lbs., value, \$421; total, 301,118 lbs., value, \$184,106; compared with imports in October, 1922: From Britain of 38,790 lbs., value, \$15,067; United States, 163,763 lbs., value \$102,348; Germany, 3,925 lbs., value, \$6,410; Netherlands 24,321 lbs., value \$23,131; Sweden, 10,199 lbs., value \$9,733; Switzerland, 15,386 lbs., value, \$14,157; other countries, 131 lbs., value, \$135; total, 256,515 lbs., value \$170,981.

Four subsidiaries of the Standard Silk Dyeing & Finishing Co., Paterson, N. J., have filed articles of incorporation with a total authorized capital of more than \$1,000,000. The concerns are Standard Holding Co., Standard Silk Process Co., Silk Tex Mill, and Standard Silk Service Co. Controlling interests are held by George W., William S., and Charles Cole, owners of the Standard company.

A bleaching and finishing plant estimated to cost \$2,000,000 will be built on the Swannanoa river, four miles from Asheville, N. C., by Sayles Finishing Plant, Inc., of Rhode Island.

Customs regulations under the section of the new tariff act governing coal-tar dyes are about completed by the Treasury Department.

Synthetic Iron Color Co., has purchased three and a half acres of land at Richmond, Cal. and will erect a modern plant at once.

The Textile Color Card Association has leased offices at 50 East 42nd st., New York.

The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, page 54

CRUSHERS REDUCE LINSEED OIL

Decline Due Mainly to Easier Seed Situation—Cottonseed Oil Continues Weak—Olive Oil Foothigher—Corn Oil Stronger—Rapeseed Oil Up—Fish Oils Less Active—Tallow Stronger—Turpentine Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Olive Oil Fooths, spot, $\frac{1}{2}$ c lb.	Rapeseed Oil, 1c gal.
Corn Oil, crude, $\frac{3}{4}$ c lb.			
Grease, yel., $\frac{3}{4}$ c lb.			
Tallow, extra, $\frac{3}{4}$ c lb.			
	Declined	Stearine, oleo, $\frac{1}{2}$ c lb.	Turpentine, 1c gal.
Linseed Oil, 2c gal.			
Grease, white, $\frac{3}{4}$ c lb.			

	Trend of the Market					
	Last Week	Last Month	Last Year	War Peak	War War	Pre-
Cod Oil, N. F.....gal.	\$.67	\$.67	\$.68	\$.61	\$ 1.26	\$.36 $\frac{1}{2}$
Degras, American, bbl. lb.	.04 $\frac{1}{2}$	.04 $\frac{1}{2}$	.04 $\frac{1}{2}$	.04 $\frac{1}{2}$	.25	.03 $\frac{1}{2}$
Lard, No. 1.....gal.	.79	.79	.79	.79	2.90	.92
Menhaden, crd, bbls. gal.	.50	.50	.50	.50	1.20	.38
Neatsfoot, 20 deg, c.t. gal.	1.33	1.33	1.29	1.35	3.45	.95
Red Oil, distilled.....lb.	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.09 $\frac{1}{2}$	.10 $\frac{1}{2}$	.17	.07
Stearic Acid, T.P.....lb.	.13	.12	.14 $\frac{1}{2}$	.13	.33	.12
Coconut Ceylon, bbls. lb.	.10	.10	.10	.08 $\frac{1}{2}$	.90	.14
Cottonseed, crude, tks. lb.	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.25	.06
Linseed, carlots.....gal.	.90	.92	.92	.90	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.15	4.50	1.05
Peanut, refined.....lb.	.16	.16	.16	.16	.30	.08
Soya Bean, bbls. ....lb.	.11	.11	.11	.12 $\frac{1}{2}$	.19 $\frac{1}{2}$	.07
Average	0.461	0.462	0.463	0.466	1.30	0.362

The final week of 1923 closed with the market in vegetable, animal and fish oils generally firm. Owing to the holiday and inventory season there was little buying during the week, but stocks, in most cases have been in small volume and prices remained firm. After the first of the year a better movement of supplies into consuming channels is expected, many orders received during the last few weeks being for shipment after Jan. 1.

Linseed oil crushers have announced lower prices for all positions, the change being due mainly to the recent decline in seed prices. Cottonseed oil continues easy and somewhat irregular. Olive oil foots have become stronger and higher prices are quoted on spot. The situation in Spain has tightened as to supplies from this year's crop, and an embargo is likely according to recent reports from that country. Corn oil is stronger and higher. Palm oil has become firmer. Chinawood oil is quiet. Tallow has strengthened with sales at higher figures. Cod and menhaden oils are in small supply but demand has been less active. Turpentine is lower.

Vegetable Oils

Castor Oil—Crushers are holding prices steady at 14 $\frac{1}{2}$ c lb. for No. 1 and 14clb. for No. 3.

Chinawood Oil—Interest is confined mainly to forward positions though crop prospects are still uncertain in the Orient. Shipment prices for Jan., Feb., are named at 21 $\frac{1}{2}$ c@22clb. Spot buying has been quiet with prices holding at 21 $\frac{1}{2}$ c@21 $\frac{1}{2}$ c. At the Coast tanks are named at 20c@20 $\frac{1}{2}$ c.

Coconut Oil—With demand along steady lines and supplies not too heavy prices are holding firm at recent levels. Ceylon in tanks, New York, named at 8 $\frac{1}{2}$ c@8 $\frac{1}{2}$ clb. and Cochin at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ clb. At the Coast Manila is held at 8 $\frac{1}{2}$ c@8 $\frac{1}{2}$ clb.

Corn Oil—Continues active and stronger with quotations at 10clb. for crude in tanks at mills. Refined oil named at 13c@13 $\frac{1}{2}$ clb.

Cottonseed Oil—Prices underwent little change during the week. This item is perhaps the weakest in the vegetable oils at present. At present prices many buyers are turning to other oils which are cheaper and as suitable. P.S.Y. quotations range from 10 $\frac{1}{2}$ clb. for spot and Jan. to 11 $\frac{1}{4}$ c@12clb. for August position. Crude at the mills named at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ clb.

Linseed Oil—Crushers have reduced prices to 90c in carlots for Jan.-Mar. and to 83c for Apr.-Aug. delivery. Lower seed prices during the past few weeks have accounted for the decline. Spot business has been quiet but forward buying has been fairly active. London linseed oil quoted, 43s. Antwerp, 394f. The Government's final flaxseed report places this year's yield at 17,427,000 bushels from 2,061,000 acres. The November estimate placed the crop at 19,343,000 bushels. Duluth prices, Dec., \$2.34, Jan., \$2.35; Feb., \$2.38; May, \$2.36. Winnipeg, Dec., \$1.98; May, \$2.04; July, \$2.05. Buenos Aires, \$1.53 $\frac{1}{2}$.

Olive Oil—The situation in Spain has tightened as to the prospects of obtaining oil from that country. The crop is reported small and there is some agitation for an embargo on the oil. A referendum on the question is named for Jan. 8. Spot olive oil foots are higher at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ clb. and shipment quoted at 8 $\frac{1}{2}$ c@9clb. Denatured at \$1.10@\$1.15 per gallon. Edible \$1.70@\$2.20.

Palm Oil—Firmer with quotations at 7c@7 $\frac{1}{2}$ clb. for Niger and 7 $\frac{1}{2}$ c@8clb. for Lagos.

Perilla Oil—Light supplies and demand with prices at 14 $\frac{1}{2}$ clb.

Peanut Oil—Scarce and nominal at 16clb. for the refined.

Soya Bean Oil—In light supply and demand active. Spot material held at 10 $\frac{1}{2}$ c@11clb. and 9 $\frac{1}{2}$ c@10clb. at the Coast.

Animal Oils

Greases—White is easier at 10c@10 $\frac{1}{2}$ clb.; yellow slightly stronger at 6 $\frac{1}{2}$ c@6 $\frac{1}{2}$ clb.; brown, 6c@6 $\frac{1}{2}$ clb.

Oleo Oil—Holding steady at 16clb. for No. 1, 11 $\frac{1}{2}$ clb. for No. 2 and 10 $\frac{1}{2}$ clb. for No. 3.

Neatsfoot Oil—Unchanged with demand routine. Extra named at 10 $\frac{1}{2}$ clb.; pure, 14 $\frac{1}{2}$ clb. and 20° at 17 $\frac{1}{2}$ clb.

Red Oil—Steady at 8 $\frac{1}{2}$ clb. in carlots of barrels and 7 $\frac{1}{2}$ clb. in tanks.

Stearic Acid—Makers continue to quote double pressed at 12c@12 $\frac{1}{2}$ clb. and triple pressed at 13c@13 $\frac{1}{2}$ clb.

Tallow—Stronger with sales at 8clb. for the city extra.

Fish Oils

Cod Oil—Imports last week included 255 barrels and casks. Supplies are not heavy but demand is fallen off and prices are inclined to be easier in some directions. Newfoundland named at 67c@70c per gallon.

Menhaden Oil—Crude is in small supply and is being held at 50c@52c per gallon. Refined oils are holding at 67c@70c per gallon for the light strained; yellow bleached at 70c@73c gallon.

Sperm Oil—Sellers are quoting 45° material at 89c per gallon and 38° at 94c gallon.

Naval Stores

Turpentine—Prices declined slightly during the week to 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ clb. per gallon. Demand has not been active at

this season of the year but improved buying is expected after the turn of the year.

Rosins—Buying is confined mainly to actual requirements and is reported quiet at this time of the year. Prices have been fairly firm at recent levels. B to H, \$5.70; I, \$5.75; K, \$5.90; M, \$6.20; N, \$6.30; WG, \$7.00; WW, \$7.15.

COMPANY READY TO MAKE TUNG OIL HERE

Recent experiments in the raising of tung or chinawood trees at Gainesville, Fla., indicate that a good yield of tung oil can be obtained from the nuts of trees grown in this country. Plans are now under way for the establishment of several groves of trees near Gainesville. A nursery which was started about a year ago with 125,000 seedlings is progressing satisfactorily and from it will be selected plants for the land which is being cleared and prepared for two groves, one of 70 acres and another of 200 acres. Plants will also be sold in the community to those who are interested in the new development. Behind the venture is the American Tung Oil Corp., which has been organized under the laws of Florida. At a recent meeting of the directors in New York, James H. McNulty, of Pratt & Lambert, Inc., was elected president; vice-presidents, Ludington Patton, Henry L. Calman; general manager, Henry A. Gardner; secretary and treasurer, H. P. Butler. Wide interest is manifested in the project and subscriptions have been coming in from varnish manufacturers and others interested in tung oil.

The fortieth annual sales convention of Paraffine Companies, Inc., was held at the Bellevue Hotel, San Francisco, during the week of Dec. 17, with more than one hundred and twenty-five salesmen and representatives of the firm in attendance. The concern operates seventeen plants on the Pacific Coast and does an annual business of about \$20,000,000. It manufactures paints, floor coverings, roofing and a diversified line of building materials. Functions of separate departments were outlined by R. H. Ohea, secretary; A. R. Moyan, traffic manager; L. S. Rosener, consulting engineer; A. H. Silverstone, purchasing agent; C. E. Howard, credit manager, and N. J. Rich, personnel manager.

Allied Chemical & Dye Corporation has discovered a chemical process somewhat similar to the Silica Gel process of the Davison Chemical Co., says the "Boston Transcript." There is nothing definite available on the subject, however, and in view of the well known reticence of the officials of the Allied Chemical Co., it is unlikely that any announcement will be made. The Davison company's process has come in for a great deal of critical discussion and there does not appear to be any unanimity as to its ultimate commercial value.

Flaxseed production in the United States this year will amount to 17,429,000 bushels, or a yield of 8.5 bushels per acre, according to a report of the Department of Agriculture, Dec. 20. The previous estimate was 19,343,000 bushels in November. Compared with last year's production of 10,375,000 bushels the production this year show a considerable increase, though the yield in 1922 was 9.3 bushels per acre.

Pratt & Lambert, Inc., varnish manufacturers with plants at Buffalo and Bridgeburg, New York, presented gold watches last week to six employees who had been with the company for twenty years.

Imports of linseed oil during October amounted to 413,213 pounds, valued at \$40,741. Exports totaled 172,295 pounds, valued at \$22,788.

SHERWIN-WILLIAMS HOLD 36th MEETING

After four of the biggest days in its history, the Sherwin-Williams Co. closed its annual convention in the Congress Hotel, Chicago, Dec. 20, with a record of a hundred per cent attendance and the unanimous opinion that it was the most successful convention held by the company. Representatives were present from every state and enthusiasm was at a high pitch at all times during the meeting.

The convention was called to order on Monday, Dec. 17, by President George A. Martin who welcomed the delegates, thanked them for their excellent records of the past year and hoped for still greater achievements in the future, but that in all events the business would be carried on according to the policies laid down by its founders H. A. Sherwin and E. P. Williams. The remainder of the program included brief talks by managers of various departments designed to give every man present a new and broader conception of the company and its activities in paints, varnishes, dyes, coal tar products, chemicals, colors and insecticides. On Tuesday an inspection was made of the Chicago plant which covers 34 acres at Kensington, Ill. In the evening a banquet was held with over 700 members and guests present. Harris Creech, president of the Cleveland Trust Co., John B. Reynolds, chairman of Continental & Commercial National Bank of Chicago, and Thomas E. Wilson, president of Wilson & Co., were the speakers of the evening.

One of the features of the convention was the exhibit of finished products of the company, miniature paint mills and varnish kettles, raw materials, insecticides, dyes, paints, varnishes, stains, enamels and the materials on which they are used.

CHEMICAL SUPPLIES WANTED

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Jan. 8, for 15,000 sq. ft. of compressed cork for use at the Brooklyn navy yard, as specified in Schedule No. 1728.

The Supply Officer, United States Navy Department, Great Lakes, Ill., will take bids at once for 5,000 cakes of cleaning and polishing soap, as per Requisition 115.

The Supply Officer, United States Navy Department, Puget Sound, Wash., navy yard, near Seattle, will take bids at an early date for 400 gals. of turpentine, in 5-gal. cans, as per N.S.A. Requisition 324.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, 10 South LaSalle st., Chicago, has received an inquiry from a company at Crescenzago, Italy, in the market for bristles and kindred products, (No. 2599).

The Supply Officer, United States Navy, Charleston, S. C., will take bids at once for 2,200 sq. ft. of magnesia block, as per N.S.A. Requisition 194.

The Chief of Air Service, United States Army, Washington, D. C., will receive bids until Jan. 14, for 2,500 gals. of airship and balloon dope, as specified in Circular CAS 24-64.

The Soil Improvement Committee, Atlanta, Ga., is assisting the colleges in the South in regard to boll weevil control and will undertake campaigns during January, February and March to extend the use of calcium arsenate in the cotton states.

Nitrate Agencies Co., Bayonne, N. J., recently contracted with the State of Georgia for 750,000 pounds of calcium arsenate for immediate delivery. The price involved was 11½c a pound at the works.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 38

QUICKSILVER EASIER ON SPOT

Possible to Shade \$60-Flask on Firm Order—Imported Tartaric Acid Easy—Wide Range in Potassium Permanganate—Alcohol Active—Menthол Steady—Cod Liver Oil Active—Formaldehyde Weak

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
No Advances
Declined
Mercury, 50c flask

	Trend of the Market					
	Last Week	Last Month	Last Year	War Peak	War	Pre-
Acetanilid	\$32	\$32	\$32	\$35	\$2.00	\$20
Acid Citric, Import .....	.47	.47	.47	.48	1.25	.45
Caffeine Alkaloid	4.00	4.00	4.00	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	1.25	3.43	.90
Camphor, Jap., ref. ....	.86	.86	.86	.91	3.55	.41
Iodine, Resublimed	4.55	4.55	4.53	4.50	5.00	3.75
Menthол	10.25	10.25	13.00	10.00	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.68	.68	.68	.84	2.05	.50
Average	2.39	2.39	2.64	2.07	5.92	1.56

A spirit of optimism for the first quarter of 1924 is making itself felt in the market for medicinal chemicals. Consumers seem to believe that they can take on stocks with assurance that the bottom will not drop out of business the next moment. Numerous houses in the trade are in the throes of inventories, but, no doubt, by the end of the month will be in line for large supplies to replenish their stocks. Prices are well maintained, and with an appreciable amount of buying, they will undoubtedly react upward rather than downward. Higher shipment values are heard from abroad, but sufficient low-priced goods are held on spot to counteract any advance from the Continent. The only depressing condition that exists here is said to be the excessive importation of supplies that are out of line with consumption. With these passed on into consuming channels, the market, as a whole, would without doubt show a healthy condition.

Quicksilver consumers appear to be stocked with sufficient goods to last for some time to come, according to reports. Imported tartaric acid is generally quoted at 28clb., but 27clb. can be done on 25-keg orders. Menthол has steadied after a \$4.25 drop in five weeks. Cod liver oil is active for spot goods as well as for shipment. Formaldehyde is weak and makers, no doubt, will shade current quotations on firm business.

Acetanilid—Makers continue to name 32c@33clb. spot. Resale goods available at 29½clb.

Acid, Acetylsalicylic—Quoted firm by manufacturers at 75c@85clb. spot, and 72½clb. by second hands. Prices are firmly held owing to strength of raw material.

Acid, Citric—Imported quoted at 47c@48clb. spot with possibility of shading these figures on firm order. Fresh imports here always keep stocks on the heavy side, thereby making it impossible for the market to show any firmness. Domestic at 48c@49clb. as to quantity.

Acid, Diethylbarbituric—Imported named at \$4.00@\$4.25lb. spot with tendency to firmness owing to high cost of production abroad. No late reports have been heard in regard to changing the tariff on this item.

Acid, Phosphoric—U.S.P. 85 per cent syrupy quoted at 12c@14clb. spot as to quantity.

Acid, Salicylic—Makers name 35clb. spot with limited amounts available at 34c@35clb. in resale quarters. Position firm with possibilities of a higher schedule of prices in near future.

Acid, Tartaric—Imported quoted easy at 28c@29clb. spot as to quantity with large lots named at 27clb. Imports continue to pile up without giving the existing stocks any chance to pass into consumption and subsequently firming up the market. Import costs about equal to spot values. Domestic named at 30clb.

Alcohol—Stocks are reported low in consuming quarters and while demand at the moment is small, the turn of the year is expected to see resumption of activity and a general upward swing of prices for all grades, according to the trade. No. 1 specially denatured quoted at 48c@50c gal. spot in drums, and No. 5 completely denatured at 47c@49c gal. in drums. Reports are heard that raw material is becoming scarce in Cuba and additional advances are in line.

Aloin—Firm and active at 90c@95clb. spot.

Amidopyrine—Quoted at \$4.60@\$4.90lb. spot as to seller and quantity. Replacements named slightly below the high figure.

Antimony Needles—Powdered firm at 8c@9½clb. spot as to quantity.

Antipyrine—Named at \$2.35@\$2.50lb. spot as to quantity and seller. Sales are being made at the maximum price in spite of the lower quotation. The trade does not see why consumers are willing to pay a higher price, if the same quality goods are quoted at a much lower figure.

Bay Rum—Quiet at \$2.50@\$2.75 gal. spot for goods denatured with salicylic acid.

Bismuth Subnitrate—In small demand at \$2.90lb. spot by makers, and \$2.80lb. from resale quarters.

Caffeine Alkaloid—Recent flurry in buying has subsided somewhat. Quoted firm, however, at \$4.00@\$4.25lb. spot by makers, and \$3.90lb. from second hands.

Camphor—Spot is named at 86c@87clb. as to quantity with Jan.-Mar. shipment quoted at 85clb.; laid down in New York. Domestic at 93clb. in barrels.

Cod Liver Oil—In active demand at \$24@\$25 bbl. with shipment named about equal to spot. Some forward delivery business was reported last week.

Collodion—U.S.P. named steady at 22clb. spot in drums.

Cream Tartar—Imported quoted easy at 23½c@24clb. spot with possibilities of shading these figures on firm business.

Creosote—U.S.P. quoted at 40c@42clb. spot as to quantity, and carbonate firm at \$1.80@\$2.00lb.

Formaldehyde—Makers quoting 10¾clb. c/l works, but will probably take less on a firm order owing to weak condition of this item. However, some of the present supplies are being shipped to Japan, and if this export business continues for a long time, perhaps the market here will return to normal.

Glycerin—Named at 16½c@17clb. spot for C.P. in drums, and 18c@18½clb. in cans.

Hexamethylene—Easy at 75c@77½clb. spot for domestic, and 68c@70clb. for imported.

Menthol—Spot has steadied somewhat and refuses to drop any more for the moment at least. Quoted at \$10.25@\$10.75lb. spot as to quantity. Reports on the total yield of menthol, as usual, vary considerably.

Mercury—Has declined on spot and now quoted at \$60.00@\$60.50 flask owing to small demand. Stocks on hand at end of July as reported by directors of Almaden and Arrayanes mines were 17,633 flasks, compared with 24,594 flasks in January. Flasks withdrawn from January to July totaled 34,809. Ex-mine price named at 297 pesetas per flask, compared with 340 pesetas for June.

Papain—U.S.P. quoted steady at \$2.15@\$2.25lb. spot.

Potassium Permanganate—Imported quoted at 15c@17clb. spot as to seller with tendency to easier figures owing to weak holders, who have just enough supplies to keep market well agitated. Domestic meeting competition at 15½c@16clb. works.

Resorcinol—U.S.P. named firm at \$2.25@\$2.35lb. spot as to quantity.

Santonin—Quoted at \$148@\$152lb. spot as to seller and quantity. Demand quiet.

Zinc Oxide—Named at 17c@18clb. for U.S.P. material as to quantity.

HOFFMANN-LA ROCHE HOLD XMAS PARTY

Old St. Nick, otherwise known as Elmer H. Bobst, treasurer and general manager, Hoffmann-La Roche Chemical Works, New York, visited the office on Dec. 24 and distributed to each employee a Christmas present in the form of a bonus, representing about ten per cent of each yearly salary. A Christmas party, including music, dancing, and refreshments followed the bonus distribution at the firm's offices. The festivities, which lasted well into the evening, were under the direction of Elmer Bobst and Nelson Peterson. Following the party, reports indicate that Messrs. Goddin, Lovell, and White of the company's staff, became lost in the confines of lower Pearl st., mistaking the East River for the majestic Hudson in their haste to reach home before daylight Xmas morn.

A new internal revenue tax law, effective Dec. 12, 1923, was recently passed in Argentina, says Trade Commissioner George S. Brady, Buenos Aires, in a report to the Department of Commerce. Under provisions of this law, the following changes in internal revenue taxes have been made: On all imported alcoholic preparations (whether beverages or not) increased from 0.01 peso to 0.015 peso per degree or fraction of degree of alcohol (by volume). This tax is to be paid at the same time as the customs duty. On matches, increased from 0.002 peso to 0.005 peso per box of 50 matches or fraction thereof.

William Hosken, of Victor & Hosken, New York, American representatives for Hoshi, and Bubeck & Dolder, will sail from San Francisco next week for a two months visit to Japan. En route to Japan, Mr. Hosken will stop off at Honolulu. He left New York on Christmas day for the Coast.

The New York office and warehouse of Powers-Weightman-Rosengarten Co., formerly a separate corporation in New York State, has become a branch of the main office and plant in Philadelphia, the New York corporation having been dissolved.

Merck & Co., New York, have issued their memorandum calendar for 1924. As in previous years, it is eight pages of cardboard with a memorandum space for each day of the year.

The Editor's Correspondence

Less Than Carload Lots

Editor, DRUG & CHEMICAL MARKETS:

I read your editorial on "Less Than Carload Lots" in your issue of Dec. 12 with a great deal of interest. It covers a condition of the greatest importance to manufacturers and why manufacturers will not wake up to the conditions that you have so thoroughly outlined, I am at a loss to understand.

While you have treated a condition that exists in the Aikali market principally, it is equally as villainous and disorganizing in other products.

This letter is principally to ask you if you have made any prints from this editorial. If so I would be pleased if you would send me at least a dozen, which I propose to place directly in the hands of the heads of manufacturers of Epsom Salts who have suffered tremendously through the very conditions that you have brought out so forcibly in your editorial.

THE DRACKETT CHEMICAL CO.,
Cincinnati, Dec. 26, 1923 P. W. Drackett,
President.

TO ISSUE PORTFOLIO OF CHEMISTS

"Eminent American Chemists" is the title of a portfolio of portraits of men distinguished in the chemical field in the United States from the earliest days to the present, with short sketches of the work of each. The work is compiled by D. H. Killefer, secretary of the New York Section of the American Chemical Society and associate editor of "Industrial and Engineering Chemistry." Distribution of the portfolio will begin March 15. The chemists whose portraits are included in the portfolio are: L. H. Baekeland, W. D. Bancroft, B. B. Boltwood, J. C. Booth, C. F. Chandler, R. H. Chittenden, F. W. Clarke, F. G. Cottrell, Josiah P. Cooke, E. C. Franklin, J. Willard Gibbs, Wolcott Gibbs, Moses Gomberg, Robert Hare, W. F. Hillebrand, T. Sterry Hunt, Irving Langmuir, G. N. Lewis, J. W. Mallett, E. W. Morley, A. A. Noyes, W. A. Noyes, Joseph Priestley, Ira Remsen, T. W. Richards, Count Rumford, Benjamin Silliman, Edgar F. Smith, J. Lawrence Smith, Julius Stieglitz, Donald D. Van Slyke, W. R. Whitney, H. W. Wiley.

WILL OPPOSE NEW PACKAGE GOODS BILLS

New bills, which affect companies manufacturing and dealing in package goods, have been introduced in Congress by Representative John F. Rogers of Massachusetts, Representative Gilbert N. Haugen, of Iowa, and Representative Ben Johnson, of Kentucky. The Rogers bill relates to misbranding of articles shipped in interstate commerce; the Haugen bill relates to slack filled packages; and the Johnson bill affects those who put up goods under the private labels of customers. Thomas J. Hickey, of Linnen & Hickey, has recommended that the bills should be opposed by the trade as against their interests. Copies of the bills have been sent out by Walter L. Filmer, secretary of the Perfumery, Soap and Extract Association, 510 N. Dearborn St., Chicago.

Face-to-face work for the removal of \$1.10, one half the total tax borne by alcohol, is contemplated as soon as the members of Congress are back in Washington for the sessions beginning Jan. 3. It is reported by Washington offices representing the alcohol users that most favorable replies have been received from both senators and representatives in answer to requests for the reduction in the tax. These letters will be used in approaching other congressmen on the matter.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 56

DANDELION ROOT AT 35cLB. TO ARRIVE

Spot Scarce and Firm—Colombo Root Active—Agar Agar Easy—Buchu Leaves Steady—Cascara Sagrada Active—Insect Powder Inside at 65clb.—Japan Wax Firm for Shipment—Spanish Saffron Easy

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Vanilla Beans, Bourbon, 50c lb.

Declined

Ipecac Root, Cartagena, 5c lb. Seneca Root, 1c lb.

Trend of the Market

	Last Week	Last Month	Last Year	War Peak	War	Pre-
Aconite Root, U.S.P.....	\$50	\$50	\$50	\$..	\$90	\$12
Buchu Leaves, Short.....	.90	.90	.87	1.10	4.00	.85
Cantharides, Russian.....	1.25	1.25	1.25	2.00	9.00	2.10
Cocculus Indicus .....	.02%	.03%	.03%	.03%	.85	.03
Ergot, Spanish .....	.38	.38	.60	4.50	.54	
Insect Powder, pure .....	.65	.65	.70	1.00	.29	
Ipecac, Cartagena, powd....	2.60	2.60	2.60	1.70	4.50	1.85
Nux Vomica .....	.05	.05	.05	.07	.14%	.07
Opium, gum	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D.....	.34	.34	.36	.45	1.75	.18
Tragacanth, No. 1, ribbon.....	1.35	1.35	*1.45	1.80	6.00	1.50
Wild Cherry Bk., thin nat.....	.14	.14	.11	.09	.21	.07
Average	1.85	1.35	1.36	..	5.28	1.00

The trade is waiting until the opening of the new year before passing judgment on what may happen during 1924. The consensus of opinion is that if demand should open in a broad way, some sharp advances would be noted in a number of items, owing to the exceptionally low condition of stocks. Considerable business has been transacted for shipment of goods right after New Year's Day. The Coast remains firm in regard to shipment prices and offerings are more or less limited. Stocks held in the South are said to be none too heavy, and the cheaper items are in the minority. Little material is coming out of Germany at the moment. The unfavorable exchange rates from the Continent have caused an easing off in export trade.

Dandelion root is quoted at 28c to 30clb. spot, if procurable, while arrivals are being held at 35clb. Colombo root is in active demand. Agar agar is easy on spot and offerings from Japan are on the increase. Buchu leaves are quiet with replacements about equal to spot. Some large sales of cascara sagrada were reported with most business confined to contracts. Insect powder is firm at 65clb. and some are asking as high as 70clb. Japan wax is scarce here and shipment prices are advancing. Spanish saffron is easy owing to increase of offerings and keener competition.

Aconite Root—U.S.P. quoted firm at 50clb. spot.

Agar Agar—Named easy at \$1.55@\$1.60lb. spot for No. 1, and \$1.40@\$1.50lb. for No. 3. Offerings are on the increase from primary market. Business reported routine last week.

Aletris Root—Quoted at 60c@65clb. spot.

Aloes—Curacao quoted firm at 11c@11½clb. spot. Recent imports have been heavy, although reports are heard that most of these goods have been "sold to arrive." Last week saw 555 cases entered at New York. Barbadoes quiet at 65c@70clb. spot. Cape at 9c@10clb.

Althea Root—Cuts easy at 23c@25clb. spot.

Anise Seed—Spanish held at 15½c@16clb. spot with some quarters inside at 17clb. and up. Shipment strong

with tendency to higher figures. Star at 12c@12½clb. spot.

Arabic Gum—Amber sorts quoted at 12½c@13½clb. spot as to quality with some houses holding to 13clb.

Balm Gilead Buds—Active and firm at 50c@55clb. spot.

Balsams—Canadian fir quoted steady at \$12.80@\$13.00 gal. spot, and Oregon fir at \$1.60@\$1.85 gal. as to seller and quantity. Peru easy at \$1.75@\$1.80lb. spot with possibilities of shading these figures on firm business. Tolu firm and active at \$2.25@\$2.50lb.

Belladonna Leaves—Higher prices are freely predicted in the trade owing to steadily advancing import costs and scarcity here in this market. Quoted at 22c@23clb.

Buchu Leaves—While business has not been transacted in a big way, several small lots were taken off the market. Quoted at 88c@93clb. spot for bales, and 98c@\$1.03lb. for less.

Cantharides—Russian easy \$1.25@\$1.30lb. spot for whole, and \$1.40@\$1.50lb. for powdered. Chinese easy at \$1.05@\$1.10lb. for whole, and \$1.25@\$1.30lb. for powdered.

Caraway Seed—Steady at the moment at 25c@26clb spot for Dutch. Last week saw 1,243 bags entered at New York. African at 24c@25clb.

Cascara Sagrada—Firm at 27c@30clb. spot for new peel, and 28c@32clb. for old bark. Contract business active. Offerings from Coast are on increase, according to reports and are held at 21c to 22clb.

Celery Seed—Firm at 26c@27clb. spot as to quantity.

Chamomile Flowers—Quoted quiet at 95c@\$1.05lb. spot for Roman, and 8c@9clb. for Hungarian.

Clover Tops—Firm at 27c@29clb. spot.

Cloves—Zanzibar steady at 35c@38clb. spot with tendency to higher figures.

Colombo Root—This item has again resumed some activity after having been quiet for the past four months. Late last week an inquiry was received for 10 tons. Quoted at 2½c@3clb. spot.

Cotton Root Bark—Easy at 18c@20clb. spot with tendency to lower figures.

Dandelion Root—While spot is named at 28c@30clb., if procurable, goods "to arrive" are held at 35clb., and from the condition of stocks here, prices are apt to go still higher.

Elm Bark—Select steady at 29c@31clb. spot with tendency to lower levels.

Ergot—Easy at 36c@38clb. spot.

Gentian Root—Competition keen at 8c@8½clb. spot.

Hellebore Root—White powdered quoted at 16c@17c lb. spot and quiet thereat.

Insect Powder—Powdered inside at 65clb. up to 70clb. as to seller. Position strong with tendency to higher flowers. During past week 25 bales of flowers were imported at New York. Shipment advancing with offerings more or less limited.

Ipecac Root—Cartagena quoted lower at \$2.10@\$2.20 lb. spot for whole, and \$2.55@\$2.65lb. for powdered. Rio supplies available at \$2.10lb. for whole.

Japan Wax—Firm on spot at 17½c@18clb. with shipment limited.

Mandrake Root—Steady at 21c@22clb. spot.

Saffron Flowers—Spanish quoted at \$34@\$35lb. spot, and American at 78c@80clb.

Sarsaparilla Root—Spanish firm at 26c@28clb. spot with tendency to firmness owing to Revolutionists holding up shipments from Mexico.

Senega Root—Lower at 63c@67clb. spot.

Vanilla Beans—Mexican quoted nominally at \$10.00@ \$12.00lb., and cuts at \$6.25@\$6.50lb. Reports are heard that shipments of cuts from Vera Cruz have been held by the Rebels for an export duty. Bourbons named at \$6.25@\$6.50lb. with tendency for all holders to withdraw offers until the new crop has been received in this market. Last week saw 93 cases Bourbons entered at New York, and 143 cases of Java beans from Batavia.

NEW RULING ON TAX-FREE ALCOHOL

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Jan. 2—Municipalities will not be required in the future to give bonds when withdrawing tax-free alcohol, the Bureau of Internal Revenue advises in a circular directed to collectors of internal revenue and prohibition directors. The Bureau's ruling is in accord with a legal opinion rendered in the matter of the bond liability of a city which gave bond under Regulations 61 for the withdrawal of alcohol free of tax under Section 11 of Title III of the Prohibition Act.

The question was whether a municipal corporation is a municipal subdivision of a state, and it was decided that such a corporation is, within the meaning of the law, and that Article 82 of Regulations 61 should be amended by striking out the provision requiring a municipal subdivision to give bond as a condition of withdrawing alcohol tax-free. Such bonds shall not be demanded and accepted in the future, and all such bonds now held must be canceled, the Bureau of Internal Revenue ruled.

OPPOSE GENEVA FOR OPIUM MEETINGS

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Jan. 2—Opposition has developed in the American Opium Commission to holding the International Narcotic Conference scheduled for November, 1924, at Geneva, according to a statement by Representative Porter, chairman of the Foreign Affairs Committee of the House, and a member of the Commission. Geneva was selected as the place of meeting by the League of Nations. Representative Porter said Switzerland had failed to ratify the opium convention and that Basle had become a center for the manufacture and distribution of narcotics, some of which were shipped in violation of the laws of European nations that had ratified the convention.

London, Paris, Brussels and The Hague have been suggested as the place for holding the 1924 conference, instead of Geneva, said Representative Porter.

Salesmen of the New York branch and Atlantic Coast territory of Parke, Davis & Co., ended a four-day convention Saturday, Dec. 29, with a banquet at the Hotel Astor, New York. George R. Tompkins, New York manager, was in charge of the sessions.

Wrede & Lange, dealers in botanical drugs, have dissolved partnership by mutual consent. The firm was composed of Frederick H. Wrede and Fred Lange. They specialized in senega root.

Schaeffelin & Co. have entered judgment for \$896.48 in New York county against Daniel L. Smith.

CHICAGO CHEMICAL ASS'N HOLDS BANQUET

The 22nd annual Christmas banquet of the Chicago Drug & Chemical Association was held on Thursday evening, Dec. 20, at the Hotel LaSalle. More than 350 members and friends attended. A. C. Setpan, Chicago manager of Roessler & Hasslacher Chemical Co., presided and introduced Captain Irving O'Hay, U. S. A. (retired), who was the hero of Richard Harding Davis' "Soldiers of Fortune." Captain O'Hay's speech was full of humor, with occasional touches of pathos.

A vaudeville performance followed, consisting of ten head-line acts.

The committee in charge included: A. W. Hobart, chairman; H. C. Arms, E. L. Drach, H. C. Ellis, Lester B. Gordon, A. C. Henderson, Ottmar M. Krembs, William Loewenstein, Clarence Morgan, P. A. Rising, Dr. Claude Searle, and B. F. Zimmer.

DRUACHEM CLUB MAY TAKE NEW QUARTERS

A special meeting of the Druachem Club, New York, has been called for Jan. 3 at 2:00 P.M. at the club quarters, 160 Pearl st., by President Ralph Jennings. Opportunity to secure new quarters on John st. in the heart of the New York drug and chemical district, formerly occupied by the Optical Club, is the matter which will be taken up. The prospective quarters are larger and well equipped for club use, as well as being more centrally located than the present place. President Jennings stated that if the new location is chosen at the meeting, he foresaw a material expansion in the club's activities during 1924.

Heroin addiction can be checked only by legislation against its manufacture and by an international agreement preventing importation and exportation of this drug, according to the New York Health Department's Weekly Bulletin. It says further that the heroin question is not a medical one, as heroin addicts spring from vice, evil associates and bad environments.

In cases where the Prohibition Unit has not acted upon requests for renewals, 1923 permits will continue in force until Jan. 31, if Prohibition Commissioner Haynes is notified by permittees that notice of action upon application for renewal has not been received. Notification to the Bureau must be made by registered letter.

London "Chemist and Druggist" has just issued its annual diary for 1924. This book, the 56th annual publication, also contains valuable information on British trade customs, government regulations, and sources of supply of drugs and chemicals.

A new wholesale drug firm may be organized in Galveston, Tex. as a result of the desire by retailers in that city to buy in their own town. A recent meeting of the Galveston Retail Druggists Association voted in favor of a local wholesale house.

Opium valued at \$70,000 was seized on the President Lincoln at San Francisco, but the vessel escaped seizure because it is owned by the U. S. Shipping Board.

Boots Pure Drug Co., London, has declared an interim dividend of 9 per cent, less tax, for quarter to Dec. 31, payable on that date.

Stock and fixtures of Mitchel Drug Co., 2590 Fifth Ave., New York, damaged Dec. 9, were insured for \$30,500.

Publicker Commercial Alcohol Co., Philadelphia, is building a one-story structure at its plant.

The Essential Oil Market

Current Spot Quotations of Essential Oils, 60, Aromatic Chemicals 61

BOIS DE ROSE AND LINALOE FIRMER

Owing to Scarcity and Mexican Revolution—Oil Bergamot Lower—Oils Caraway and Cassia Easier—Oil Citronella Active—Oil Sandalwood Lower—Oil Wormseed Firm and Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Bois de Rose, 25c lb. Oil Lavender, Spike, 5c lb.

Declined

Oil Bergamot, Coppers, 15c lb. Oil Cassia, Redistilled, 10c lb.
Oil Caraway, 25c lb. Oil Coriander, \$1.00 lb.
Oil Sandalwood, E. Ind., 15c lb.

Trend of the Market

	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.75	\$2.90	\$2.75	\$3.00	\$7.00
Oil Citronella, Ceylon .....	.95	.95	1.00	.55	.92
Oil Cloves	2.50	2.50	2.50	2.00	3.70
Oil Lemon, Italian .....	.72	.72	.75	.65	1.70
Oil Peppermint, Nat.	8.25	3.25	8.25	3.00	9.00
Oil Sandalwood, E. I.	6.75	6.90	7.10	7.00	13.00
Oil Sassafras, Artif. ....	.38	.38	.38	.42	1.00
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15
Coumarin	4.50	4.50	4.50	4.00	31.00
Methyl Salicylate, Cans. ....	.47	.47	.47	.57	1.00
Vanillin .....	.50	.50	.40	.45	.95
Average	2.20	2.22	2.23	2.05	6.83
				6.83	2.05

The essential oil market is showing unusual activity, for this time of the year. The inventory of a number of consumers evidently needed replenishing, and buying will probably be necessary for many houses this month. Prices, as a rule, are holding firm in spite of the easier exchange rates. Domestic oils are well held and higher shipment values are assured, according to the trade. The attempt of buyers to beat down prices does not appear to be meeting with much success. Confidential shading is lowering the market on some items, but in a broad way, becomes less a factor as time goes on.

Oil linaloe has advanced again and is now quoted inside at \$2.60lb. Oil bois de rose is sharply higher. Oil bergamot is in better supply both on spot and for shipment. Oil caraway is quoted in limited quantities only at \$8.25lb. Little oil citronella is being offered at the moment with tendency to firmness for some time to come. Oil sandalwood is easing off. Oil wormseed is held at \$7.00lb. spot with little goods coming forward.

Essential Oils

Oil Amber—Rectified in small demand at 90c@\$1.00lb. spot.

Oil Angelica Root—Supplies are ample for present needs at \$38@\$39lb. spot.

Oil Anise—Supplies on spot are still accumulating and prices of 42½c@45clb. can, no doubt, be shaded. Offerings from China are on the increase. Stability in this item could be attained, providing production ceases for at least a year, according to factors in the trade.

Oil Bay—In active demand at \$2.50@\$2.60lb. spot firm thereof.

Oil Bergamot—Coppers quoted lower at \$2.75@\$3.00 lb. spot. Offerings from abroad are easier and supplies here are said to be on the increase. London quoting 12s 6d per pound.

Oil Birch Tar—Rectified named at \$1.10@\$1.15lb. spot.

Oil Bois de Rose—Quoted higher at \$3.25@\$3.50lb.

spot owing to scarcity of supplies here and abroad. London reports an easier market at 13s 6d per pound.

Oil Cade—In good supply at 35c@40clb. spot for U.S.P. in 25lb. tins.

Oil Cajuput—Native quoted easy at 80c@85clb. spot.

Oil Camphor—Japanese white named at 13½c@15clb. spot in cases, and 13c@15clb. in drums. Demand quiet at the moment.

Oil Caraway—Quoted lower at \$8.25@\$8.50lb. spot, although supplies are said to be none too plentiful. Demand has been steady with most business being done between dealers. London naming 40s per pound and firm thereof.

Oil Cardamom—Firm and steady at \$30.00@\$33.00lb. spot.

Oil Cassia—Has declined and now quoted at \$2.65@\$2.75lb. spot owing to easier shipment figures and slow demand here. London quoting 10s 9d per pound with tendency to scarcity, although 65 cases were recently landed.

Oil Cedar Leaf—Quoted firm at \$1.05@\$1.10lb. spot.

Oil Cedar Wood—Interest has revived in this item and now best inside price is 28clb. up to 30clb. spot.

Oil Citronella—Ceylon quoted firm at 95c@\$1.00lb. spot in drums, and \$1.10@\$1.15lb. in tins. Shipment prices are steady, although offerings are on the increase. All the oil received in this market appears to be pure, and some factors state that a long time has elapsed since other than adulterated oil has been received at this port. London 4s per pound on spot, and shipment at 3s 9d per pound. Java firm and scarce at \$1.05@\$1.10lb. spot in drums, and \$1.10@\$1.15lb. in tins. London reports that good business has been transacted in late positions.

Oil Cloves—Firm and active at \$2.50@\$2.60lb. spot. Supplies reported none too plentiful.

Oil Coriander—Has declined and now quoted at \$16@\$17lb. spot.

Oil Erigeron—Named at \$1.25@\$1.35lb. spot with tendency to higher figures owing to strength in country.

Oil Eucalyptus—Strong and active for limited stocks that are available at 70clb. in drums, and 72½c@75clb. in cases. Shipment values are said to be as high if not higher than spot.

Oil Geranium—Bourbon easy at \$7.00@\$7.50lb. spot, and African at \$7.50@\$8.00lb.

Oil Juniper Berries—Recent activity in this item has slowed up, although market is still strong at \$1.25@\$1.35lb. spot.

Oil Lavender—Spike higher at 70c@80clb. spot owing to scarcity. U.S.P. quoted at \$4.50@\$6.00lb. as to quality.

Oil Lemon—Italian named at 72c@85clb. spot as to seller and quantity with some quoting 75clb. inside. American at 70c@75clb.

Oil Limes—Distilled firm and active at \$1.00@\$1.05lb. spot.

Oil Linaloe—Has advanced and now quoted at \$2.60@\$2.75lb. spot with tendency to scarcity here. Supplies

Oil Orange—Italian easy at \$3.00@\$3.30lb. spot, and West Indian at \$2.35@\$2.45lb. American at \$2.80@\$2.85lb. Contract business reported active.

Oil Peppermint—Spot steady and quiet at \$3.25@\$3.35 lb. for natural, and \$3.45@\$3.55lb. for redistilled. Country has not weakened as yet, according to late reports.

Oil Sandalwood—East Indian lower at \$6.75@\$7.00lb. spot.

Oil Wormseed—Spot firm and scarce at \$7.00@\$7.50 lb. spot. The trade is looking for weakening in country, providing the report that the possibility of growing good quality oil in Illinois be a reality.

Aromatic Chemicals

Coumarin—In active demand at \$4.50@\$4.65lb. spot, and \$4.45lb. from resale quarters.

Heliotropin—Domestic named at \$1.85@\$2.00lb. spot, and imported at \$2.50@\$2.75lb.

Musk Ambrette—Quoted at \$15@\$16lb. spot, if procurable. Reports are heard that no more goods are offered for shipment.

Terpineol—Easy at 50c@51clb. spot in drums, and 52c@54clb. in cans. Imported at 95c@\$1.20lb.

Vanillin—In active demand from candy manufacturers at 50c@51½clb. spot, as to quantity.

The Tin Market

Tin—Has eased off slightly and now quoted as follows: Straits at 46.75clb.; standard at 46.75clb.; and 90 per cent at 46clb. Arrivals for the month are 5,280 tons at Atlantic ports; 115 tons at Pacific and 3,731 tons afloat.

USE EUCALYPTUS OIL TO RUN CAR

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Jan. 2—The Australian government is said to be much interested in recent experiments in the use of eucalyptus oil as a motor fuel, according to a report published in the *Courier des Petroles*, Paris. It seems that tests made by Captain C. M. Dyer demonstrated that eucalyptus oil can be readily employed as a substitute for gasoline particularly in motors. The only difficulty reported is that the motor must first be heated before it will operate with this oil. On the other hand the calorific value of eucalyptus oil is said to be very high.

Comparative tests with a certain type of automobile are claimed to have given the following results: The car ran 24 miles on a gallon of gasoline, 28 miles on a mixture of gasoline and eucalyptus oil, and 36 miles on a gallon of eucalyptus oil alone. (The gallon referred to is the imperial gallon, which is one-fifth larger than the American gallon.)

It is claimed that there is no carbon deposit when a mixture of this oil with gasoline, benzol, and alcohol is used. There are said to be 170 varieties of eucalyptus in Australia and that, by a very simple process of distillation, 25 pounds of oil can be obtained from 1,000 pounds of the leaves.

"Profumi Italici" is the name of a new publication at San Remo. Prof. Guido Rovesti and Paolo Stacchini, who are in charge of the paper, announce that it will contain special reports on the markets, and statistics of Italian production of essences and oils.

J. B. Daniel, of Atlanta, Georgia, has been appointed agent in this territory for Houbigant's perfumes.

FRENCH PRICES RUIN BRITISH PERFUMERS

Perfumers of Great Britain have been facing a real crisis owing to French rivalry and in a number of cases bankruptcies have resulted, according to an article in the London Daily Telegraph, which says in part:

"To our immense regret, we learn that within the last two months the proprietors of two of the oldest houses in the trade (both being established in the eighteenth century) have had to dispose of their businesses. To our certain knowledge there are many other perfumery houses of considerable age rapidly approaching the same condition of affairs. We can, in fact, import here our own soaps from France and retail them to the public at prices which do not even represent our prime cost of the very same articles manufactured here in England!

"On the other hand, if we send those same British-made high-cost soaps to France a duty of 28.80 francs per 100 kilos on perfumed toilet soap and 120 francs per 100 kilos on transparent soap, added to the selling prices, renders those prices utterly prohibitive. Our greatest and fiercest competitors in the trade are the French. They do not generally take the risk of quoting their prices in francs to this country, owing to the shifting nature of the exchange, but in sterling. They thus have been making such profits out of their British trade that one of the two leading French houses has been able this week to reduce its prices by no less than 40 per cent, notwithstanding the fact that the prices of raw materials have not fallen."

TRACING ADULTERATION OF CITRONELLA

Years ago oil citronella was adulterated with kerosene and the market was entirely spoiled, according to M. Kelway Bamber, Indian Government analyst, in the "Ceylon Observer." He says: "The present complaint is that alcohol is being used as an adulterant, possibly Java spirit, or sugar alcohol. I asked the Low-country Products Association to look into the matter with a view to stop the adulteration and reject all samples containing the least quantity of alcohol. There is no alcohol in pure citronella oil. Local arrack is not being used, and unless the spirit is extracted, it is useless, and the extraction of pure spirit is not easy and not cheap.

"Alcohol in citronella oil can be got rid of, but kerosene cannot, since even further distillation will not remove the kerosene taint. Efforts should be made to stop the dishonest and destructive methods of adulteration in order to save a valuable industry from extinction. At the meeting of the Committee of the Low-country Products Association the matter came up for discussion, and a subcommittee consisting of A. W. Winter, J. E. Perera, D. H. P. Abeyawardene, with power to co-opt more members, was elected to go into the matter and report. It has been found that the adulteration of citronella oil is done not by the producer but by the middleman, and it is stated that the producer gets for his pure oil a price considerably higher than the market price."

Business is fair in essential oils with few price changes to report, according to the London "Chemist and Druggist," which says in part: "American wormseed has advanced. French spike is dearer. Oil cassia is scarcer on spot. Ceylon citronella is a shade easier. Java has been in good demand in the late forward positions."

Richard Hudnut, New York, toilet preparations, recently held a five-day sales convention at the Hotel Astor, attended by about sixty salesmen.

The Foreign Markets

Imports of Drugs and Chemicals, page 65

BROMIDES FIRMER IN LONDON

Shellac and Menthol Easier—Few Price Changes During the Week—Gum Arabic, Antimony, Aspirin, Barbitone and Sodium Cacodylate Steady

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 2—The markets closed practically unchanged. Prices are firmer for gum arabic, antimony, aspirin, barbitone, sodium cacodylate and the bromides. Shellac and menthol are easier.

London, Dec. 22, (By Mail)—With few exceptions, the numerous advances reported last week are firmly maintained. Bromides are easier, Balsam Tolu has come on offer from the Continent and Cassia Oil for forward shipment has declined. Carbolic Acid Crystals are still tending easier in the absence of demand. In Fine Chemicals the tendency continues very firm and judging from advices from British manufacturers and the Continent a well sustained market is probable for some time to come.

Cocaine has been advanced by the makers, but much less interest now-a-days attaches to this once important world product owing to the onerous penalties and new irksome restrictions which hamper its legitimate sale and distribution. Morphine Salts are falling into the same category and important transactions are now of rare occurrence.

Salicylates had at one period been over-produced and a good deal of cutting resulted to below manufacturers' cost price. The position has gradually improved and resale stocks are rapidly disappearing so that the prospects are much more favorable today for continued production.

Cocaine Hydrochlor, 17s to 17s6d per oz.

Potash Caustic, £33 per ton and short in supply.

Castor Oil—Medicinal, 65s per cwt., First Pressings, 60s per cwt.; Seconds, 59s, per cwt. in ton lots.

Acetanilid in short supply, 3s6d per lb.

Acetic Acid 80%, at £50 per ton; Glacial in casks, £60; Glacial in carboys, £73.

Bromides, Ammonium, 9½d; Potassium, 9d; Sodium, 9d, ton lots ½d per lb. lower.

Caffein Pure Crystals, 12s9d has rising tendency.

Balsam Tolu, 10s6d per lb., c.i.f. spot 11s6d.

Carbolic Acid Crystals, 11½d to 1s in large drums.

The Baillie Library, of Chemistry at McGill University, Montreal, established by the late John Baillie, in memory of his son Lieut. George Irvine Baillie, killed at the battle of Amiens in 1918, was opened on Dec. 11. Dr. R. F. Ruttan, Director of the Department of Chemistry briefly reviewed the origin and character of the Library.

At Quebec, Canada, a petition in bankruptcy has been presented by Bouchard & Lepage, contractors, against the Bay Sulphite Co. of Montreal, operating in the Lake St. John district and in Gaspe. The petitioners claim \$22,000 due them for cutting timber in Chandler, Gaspe.

Mme. Curie, who discovered radium, will receive a pension of 40,000 francs annually as the tribute of the French Government to her twenty-five years work, and upon her death the pension will revert to her two daughters.

	FOREIGN EXCHANGE	Par Current
Great Britain (pound sterling)	\$4.886	\$4.35
France (franc) .....	.193	.051
Italy (lira) .....	.193	.043
Germany (mark) per hundred	23.80	
Czechoslovakia (crown) per hundred	20.30	.029
Poland (marks) per hundred	23.80	.0002
Japan (yen) .....	.499	.464
Holland (guilder) .....	.402	.379
Spain (peseta) .....	.193	.130
Belgium (franc) .....	.193	.045
Switzerland (franc) .....	.193	.175
Sweden (crown) .....	.268	.264
Denmark (crown) .....	.268	.178
Argentina (peso) .....	.424	.321
Brazil (milreis) .....	.324	.100
China (Silver dollar—Hongkong) .....	.789	.512
(Tael—Shanghai, silver)	1.082	.723
(Tael—Peking, silver)	1.156	.765

MORE FERTILIZERS USED IN FRANCE

The consumption of artificial fertilizers in France for 1913, 1921, and 1922, was as follows:

Items	1913	1921	1922
	Met. tons	Met. tons	Met. tons
Natural phosphates	1,218,000	813,000	1,248,000
Superphosphates	1,875,000	1,380,000	2,095,000
Slag		115,000	330,000
Chilean nitrate	316,000	307,000	158,000
Nitrate lime and cyanamide	21,000	21,000	31,000
Sulfate of ammonia	96,000	116,000	128,000
Potash fertilizers	61,000	647,000	

The falling off in the consumption of Chilean nitrate of soda, was due to the adverse exchange conditions, this product being sold only on the basis of the English pound sterling, says Commercial Attaché Chester Lloyd Jones, of Paris. On the other hand, compared with 1913, there is a satisfactory increase in all the other items for which information is available.

The production of fertilizers is shown in the following table:

Items	1913	1921	1922
	Met. tons	Met. tons	Met. tons
Superphosphates	1,920,000	1,404,000	2,132,000
Phosphate slag	730,000	391,000	611,000
Potash	58,000	146,000	207,000
Cyanamide	12,000	13,000	29,000
Sulfate of ammonia	74,000	52,000	65,000

Total Japanese menthol crop is estimated at 500,000 kin of Hokkaido and 150,000 kin of Sambi, or 600,000 kin, compared with the first estimate of 600,000 kin Hokkaido and 200,000 kin Sambi, or a total of 800,000 kin, according to Assistant Trade Commissioner Paul P. Steintorf, Kobe. He says that the difference is due to dry weather, which prevailed during the early part of the year, and to the excessive rainfall, later.

Imports into Canada of drugs, medicinal and pharmaceutical preparations during October were valued as follows: From Britain, \$77,853; United States, \$112,752; other countries, \$43,007; total, \$233,612; compared with imports in October, 1922: From Britain, \$81,813; United States, \$84,235; other countries, \$36,868; total, \$202,916.

Sulfuric acid production in Germany, according to estimates, will be about 480,000 tons this year, contrasted with 1,727,400 tons in 1913.

POTASH HEAD SEES FRENCH ACCORD

Herr Rechberg Offers Plan for France To Share In German Industries

An accord between France and Germany on economic lines is predicted by Arnold Rechberg, of the German potash syndicate, in an interview in Paris with a correspondent of the "New York Tribune." Germany, according to Herr Rechberg, is ready for such a partnership and is willing to give France a guaranty of security in the bargain. This spokesman is known to be the unofficial representative of a considerable portion of German industry, as well as personally close to the Marx government. During his stay in Paris the potash head interviewed Premier Poincare, Louis Barthou, president of the Reparation Commission; Marshal Foch, M. Seydoux, chief Foreign Office expert on reparations; Peretti della Rocca, chief of the Foreign Office political department, as well as many representatives in both the Chamber of Deputies and the Senate and important banking and industrial officials.

Herr Rechberg said that Germany's only hope of paying reparations lay through acquirement of money through the nation's industrial and commercial organizations. If France takes over the German railways, state mines and forests as a means of meeting the annual revenues, he believes, France will be disappointed by the results.

The better course, he insists, is for France to take a share in German industrial capital, with the German industries increasing their capitalization 30 per cent and handing this increase over to the French government, which, in turn, could sell it to the French people.

Herr Rechberg said his conferences at Berlin with representatives of American capital had convinced him that Americans were afraid to hand over money to Europe, especially to Germany and to France—to the former because of her dark outlook, and to France because of the conviction that, if Germany sinks, France inevitably will follow.

Brazil has 243 textile mills, with 1,700,000 spindles and 60,000 looms, and employing 130,000 operatives. Production totals 700,000,000 meters of cloth annually.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country or Agency	Purchase
Bichromate of potash, 50 tons	8682	Cairo, Egypt	Agency
Borax, caustic soda, calcium borate	8613	Berlin, Germany	Purchase
Carbonate potassium, sulfur, copper sulfate.....	8660	Constantinople, Turkey,	Purchase
Chemicals, heavy, and oils	8662	Milan, Italy	Agency
Chemists' specialties	8680	Oran, Algeria	Agency
Dyes, in either soap, powder, or liquid form.....	8688	Penang, Straits Settlements	Agency
Formaldehyde	8585	Milan, Italy	Purchase
Paints	8690	Port au Prince, Haiti	Agency
Match-making materials...	8662	Milan, Italy	Agency
Sulfate of copper	8584	Milan, Italy	Purchase
Wood distillation products	8637	Sydney, Australia	Agency
Drugs	8661	Cairo, Egypt	Purchase
Drugs, proprietary medicines	8638	Habana, Cuba	Agency
Pharmaceuticals	8662	Milan, Italy	Agency

HEAVY CHEMICALS NEEDED IN BRAZIL

Paper, Glass, Fertilizer and Soap Factories Numerous
In Rio Grande do Sul District

A growing market for industrial chemicals is reported in the Rio Grande do Sul, Brazil, consular district, writes Consul John R. Bradley, of Porto Alegre. The district is composed of the States of Santa Catharina and Rio Grande do Sul, but it is the latter State that offers the greater opportunities for the sale of these commodities. The demand is met largely from England and Germany, both of these countries being well represented.

Manufacturing is developed to a surprising degree in the Rio Grande do Sul district, and several factories recently have been extended. The industry is protected by high tariffs. The factories include paper mills, manufacturing wrapping paper and cardboard in general; 2 glass factories, making bottles, lamp chimneys, dishes, vases, etc.; 1 fertilizer factory, which turns out about 2,000 tons a year, but imports very little material, and does not use sulfuric acid to any great extent; numerous soap and perfume factories; tanneries and carbonated water works; two or three concerns making insecticides and fungicides; and five or six textile factories, some of them employing several hundred men. Imports of industrial chemicals during 1921 were as follows:

Articles	Kilos	Value	Articles	Kilos	Value
	Milreis			Milreis	
Acetic acid	3,700	11,257	Chemical manures	20,000	12,644
Nitric acid	47	177	Ethyl chloride	28	2,080
Sulfuric acid	25,361	32,597	Calcium chloride	6,384	6,330
Aniline dyes	21,663	660,311	Glycerine	291	2,261
Calcium carbide	1,396	1,072	Red lead	23,751	37,193
Caustic potash	284	1,361	Soda ash	348,646	151,648
Caustic soda	223,651	193,018			

Conditions in the district are fundamentally sound, but its purchasing power in American markets is much reduced, due to adverse exchange rates.

NETHERLANDS BUYS GERMAN MEDICINES

Total imports into the Netherlands of medicinal preparations from January to September, 1923, amounted to 768 metric tons, valued at 1,827,000 florins (1 florin = \$0.3882 at current exchange), against 766 tons, worth 2,342,000 florins, for the corresponding period of 1922. Of the amount received during this year 435 tons originated in Germany, writes Philip E. McKenney, secretary to the American Commercial Attaché at The Hague. A few medicines are also produced locally but the domestic production may be considered as relatively insignificant.

The market for American proprietary medicines is very limited. As a general rule the Dutch people are prejudiced against the so-called patent remedies, and it would be extremely difficult, therefore, to introduce American products of this category without an extensive advertising campaign. The medicine market, similar to that for many other products, is chiefly controlled by Germany.

The Japanese Government issued a proclamation on Nov. 12 providing for a bankruptcy act, under which companies, unable to meet their obligations as a result from the earthquake, are protected from bankruptcy until Aug. 31, 1925, according to F. R. Eldridge, chief, Far Eastern Division.

Imports of dyestuffs and tanning materials into the Union of South Africa during 1922 were valued at \$420,000, of which \$61,000 came from United States and \$243,000 from United Kingdom.

WHY CLAY IS USED IN RUBBER

Clay has been used extensively in recent years as a rubber compounding ingredient of marked technical value and economy, according to "The India Rubber World." The value of this material in rubber stocks is primarily its influence on the textile properties of the rubber product and its resistance to abrasion.

Clay holds a strong position as regards saving in cost over many other basic ingredients, due to the fact that its volume cost is only a fifth that of crude rubber, one quarter that of gas black and one-ninth that of zinc oxide. Whiting, although it shows somewhat lower volume cost than clay, functions only as a filler in rubber stocks, contributing virtually nothing to their physical qualities.

In the matter of quality several points should be considered in using clay. First comes the question: What is the proper accelerator to use with clay? It is known that some accelerators behave much better with clay than others do. For example, thio-carbanilide by itself is worthless, and ethylened aniline is not at its best with large quantities of clay, whereas hexamethylene, super sulfur No. 2, diphenylguanidine and others give good results where clay is present.

Tensile and elongation values given by clay are, as a rule, slightly less than those given by zinc oxide, although in some cases the tensile is the same or even greater in certain clay stocks. Here also there is no relation between tensile and abrasive resistance. What is desired in slow wearing stocks is not mere tensile strength but rather the reinforcing or toughness and stiffening effect at the lower elongations which hard clay gives to a notable degree.

One of the first indications of a return of prosperity in the rubber industry is seen in the announcement made by D. W. Whipple, president of Keystone Tire & Rubber Co., that the corporation's factory has resumed production with orders on the books at profitable prices to justify the operation of the plant during 1924 on a basis of largely increased output. Resumption of operations by the Keystone was hailed generally in local rubber circles as indicative of a marked improvement in selling conditions throughout the industry.

Carbon black quotations are nominal and market conditions are in confusion, according to the "India Rubber World," which says: "The fact that the tire trade has for some time not been absorbing its customary amount of this material has also seriously depressed the price. Although carbon black production has been increased and prices are not far above the cost of manufacture, a much greater increase in production is due within the next six or eight months. As low as 7½c per pound has been named for car lots."

A. L. Conradi, of Clemson College, South Carolina, has been carrying on experiments, showing that a nicotine preparation will kill boll weevil economically. Results have shown that a 2 per cent solution is sufficient and by using this strength an actual saving can be realized when compared with calcium arsenate, according to his statements. Stems and left-over tobacco stalks form the raw material.

Sarnia Oil & Gas Co., a Canadian company, will erect carbon black plants at Sarnia, Ont. and at Medicine Hat, Alta. which will have a combined capacity of 2,400 pounds per day.

Exports of rubber from Ceylon from January to October, 1923, inclusive were 29,891 long tons. For the corresponding months of 1922, they were 38,818 tons, making a loss of 8,927 tons.

In the Consuming Markets

E. F. Percy is in charge of the Chemical Department of Holliston Mills, Inc., Norwood, Mass., makers of book cloths.

Pine Waste Products Co., Inc., Stamford, Conn., has purchased a site in Georgia for a pulp and paper mill, for which plans will be prepared at an early date.

Stark Mills, a subsidiary of the International Cotton Mills, will erect a \$2,000,000 plant at Hogansville, Ga., for the manufacture of fabrics and cords for automobile tires.

Illinois Glass Co., with offices in New York, has issued a booklet, "Fifty years of Achievement in Building up a Service of Better Bottles," in which the early hand blown process and the more up-to-date automatic bottle blowing machines are described.

American Thread Co., New York, has purchased 526 acres of land near Dalton, Ga. for the erection of a textile plant with an initial capacity of 30,000 to 40,000 spindles. The new company will be known as American Thread Co. of Georgia, with capitalization of \$2,000,000.

Consolidation of Westpoint Manufacturing Co., and Lanett Cotton Mills at Westport, Ga., is to be recommended at a joint meeting of the stockholders, Oct. 29. The Westpoint Co., makes duck, crash and towelling, while the Lanett Co. manufactures drills, twills, sheetings, and sateens. The fixed assets of the new company will be over \$13,000,000.

The next few months will see considerable expansion in the paper industry. Many mills have projects under way both in this country and in Canada, covering new plants and additions to present mills. Brown Paper Mill Co., Monroe, La., is pushing the construction of a new \$1,000,000 mill; Daily News Paper Corp., Thorold, Ont., is building a new mill costing \$200,000; Meade Fibre Co., Kingsport, Tenn., is building an extension to its plant; Hummel-Ross Fibre Corp., Hopewell, Va., is completing a new pulp and paper mill; Central Paper Co., Muskegon, Mich., completing mill addition; Saint Regis Pulp & Paper Co., Quebec, Que., planning a pulp and paper mill costing \$3,500,000; Backus-Brooks Co., Kenora, Ont., completing mill of 500 tons newsprint capacity daily; St. Maurice Lumber Co., a subsidiary of International Paper Co., New York, constructing a new \$5,000,000 mill at Three Rivers, Que.

The paper industry of the Netherlands has been distinctly prosperous in 1923, says Consul General George E. Anderson in a report to the Department of Commerce. Imports of this commodity have declined and exports have greatly increased. Exports of newsprint during the first nine months of the current year amounted to 21,283 metric tons, compared with 14,244 metric tons in the same period of 1922. Great Britain and Belgium have been the best customers, but 2,059 tons were shipped to the United States. Exports of fine bond and similar papers have increased, 1923 shipments reaching 3,708 metric tons, compared with 3,490 metric tons last year. Shipments of strawboard, which from the export point of view, represents the chief branch of the paper industry, likewise increased, 132,356 metric tons being sent abroad in 1923, compared with 122,091 metric tons during 1922. Great Britain as usual was the chief customer. Exports of packing paper have declined somewhat, 1,923 shipments amounting to only 7,781 metric tons.

Chemicals for Consuming Industries

Heavy Chemicals, page 40, Fine Chemicals 38, Fatty Oils 54

CHEMICAL PRICES GENERALLY EASIER

Holiday Buying of Spot Goods, and Hesitancy in Contracting Far Into 1924, Tend to Soften Prices—Steady Chemical Market Expected During 1924—Prices at Low Ebb

As a whole, industrial chemical and allied prices are easier this week as a result of restricted spot business as consumers refuse to take on goods until after inventory taking. Hesitancy in contracting further than a few months into 1924, except on alkalis, has also had its effect on values. At current levels, however, chemicals for industrial use are at the lowest point for nearly ten years, even below the levels established in the slump of 1920-21. Figured on labor costs and raw materials, chemicals are cheap to-day. Higher prices might be looked for during 1924 were competition in this country not quite so keen, and production less. A fairly well-balanced, steady market is apparently expected during the coming year.

Leather Chemicals

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17@\$17.00	\$1.50	
Acid, Formic, 90%	.12½	.12½	.12½	.16	1.50½	.07
Acid, Lactic, 22% dark	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech.	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate, Imp.	.11½	.11½	.11	.19	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate	.07½	.07½	.07½	.07½	.45	.04½
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks.	.03½	.03½	.03½	.04½	.10½	.02½
Average	.980	.980	.980	.998	3.267	.528

Buying of leather chemicals has quieted down to routine demand for actual requirement at this season of the year. Prices are generally unchanged. Corn syrup has been reduced 15c per hundred pounds.

Acid, Acetic—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Acid, Formic—Consumption continued good up to the close of the year and with supplies limited prices held firm at 12½c@13clb. for the 90 per cent material and 12c@12½clb. for 85 per cent.

Acid, Lactic—A stronger tone is noted in the market with demand holding up well. Prices are quoted at 4½c@5clb. for the 22 per cent dark and 5½c@6clb. for light; 44 per cent dark, 9½c@10c and light, 11½c@12c lb.; dark, 14½c@15clb. and light, 25c@30clb.

Acid, Sulfuric—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@\$16.00 ton at works; drums named at \$1.10@\$1.25 and carboys, \$1.25@\$1.75; 60° in tanks named at \$9.00@\$10.00 ton; oleum at \$17.00@\$18.00 ton for 20 per cent; drums, \$1.25@\$1.75.

Arsenic—Red sulfide named at 15c@15½clb. on routine demand.

Epsom Salt—Prices remained steady at \$1.70@\$2.00 for the domestic technical as to quantity and \$2.10@\$2.50 for the U.S.P. Imported technical at \$1.00@\$1.10 and U.S.P. at \$2.00@\$2.25.

Extracts—Quiet conditions exist in the market at this season and buying is mainly along routine lines. Prices show little change and sales are being made on the old bases. Archil offered at 15c@19clb.; chestnut at 1¾c@2clb.; cudbear, 16c@17clb.; cutch, Borneo, 4¾c@5½clb.; fustic, 20c@22clb. for crystals and 10c@11clb. for liquid; gambier, 8½c@9½clb.; hematine, 11c@12clb.; crystals, 14c@20clb.; hypernic, 15c@16clb.; myrobalans, 4½clb.; quebracho, 3c@4clb.; sumac, scarce, at 7c@9clb.

Formaldehyde—Continues in large supply and prices are easy at 10¾c@11clb. as to quantity.

Oils—Demand has fallen off somewhat and prices are inclined to be a trifle easier. Newfoundland cod quoted from 66c@70c per gallon. Refined menhaden quoted at 67c@70c per gallon for the light strained and 70c@73c for the yellow bleached. Linseed oil is lower at 90c in carlots. Olive oil is stronger. Tallow is higher at 8clb. Neatsfoot extra steady at 10¾clb.

Potassium Bichromate—Little activity was reported during the final week and prices remained at former levels at 9½c@9¾clb.

Potassium Titanium Oxalate—Firmer at 28c@30clb.

Potassium Prussiate—Yellow offered at 22½c@24clb. and the red at 48c@50clb.

Soda Ash—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@\$2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@\$2.44.

Soda, Caustic—Deliveries slowed up at the close of the year but with nearly all contracts closed for next year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@\$3.91 as to quantity, delivered, in the metropolitan district.

Sodium Prussiate—Little activity was reported during the week and prices showed no change. Imported quoted at 11½c@12clb. as to seller. Domestic at 12½clb.

Sodium Sulfide—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from 3½c@4clb. and broken at 4½c@5clb.; crystals named at 2c@2½clb. as to seller.

Tanners' Syrup—Prices have been reduced 15c per 100lb. and are now named at \$3.36@\$3.46 as to quantity.

Total imports of hides and skins during October amounted to 28,596,409 pounds, valued at \$6,506,708. This represents an increase, compared with September, but a decrease, compared with August. The total for October includes an item "all other hides and skins" which amounted to 518,603 pounds, valued at \$112,807. Cattle hides, calfskins, goat and kidskins, buffalo hides, and kangaroo and wallaby skins registered an increase, compared with September; kips, horse, colt and ass skins, as well as all classes of sheepskins, showed a

[JANUARY 2, 1924]

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[S]

decline, according to figures compiled by the Hide and Leather Division of the Department of Commerce.

Leather tanners now express themselves generally as more optimistic than they have been in months, says "Financial America." After one of the poorest years in the history of the trade, there are indications of a turn for the better with hide prices strong and showing an upward tendency. However, they are still cautious about making predictions as to next year, but expect that the improvement which has been apparent this month will continue. More optimistic believe that a turn for the better has come.

An article on "A Suggested Method for the Disinfection of Hides and Skins for Anthrax," by Henry F. Smyth, M. D. and Edwin F. Pike, B. S., of the University of Pennsylvania, is published by the New York City Department of Health, July issue. The chemicals used were chlorine, bromine, iodine, hydrochloric acid gas, phosgene, carbon tetrachloride, trichlorethylene, sulfur dioxide, and ammonia.

C. N. Walker and Clyde E. Ozburn, Pittsburg, Kan., will build a two-story leather tanning plant, estimated to cost in excess of \$30,000.

Paper Chemicals

	Trend of the Market					
	Today	Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Casein .....	.12½	.11	.10½	.15	.28	.20
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00	8.00
Chlorine Cyl. ....	.05¼	.05¼	.05¾	.05¼	.30	.08
Salt Cake	21.00	21.00	21.00	25.00	80.00	11.00
Sodium Silicate, 40° .....	.80	.80	.80	.85	1.75	2.00
Soda Ash	1.38	1.38	1.38	1.45	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	5.70	5.70	5.60	6.30	4.50	20.25
Average	6.07	6.07	6.21	7.18	13.30	5.50

Consumption of paper chemicals is at a minimum at this time of the year. Casein is stronger and is being quoted at 10clb. c.i.f. but buying has shown no important gain.

Acid, Sulfuric—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@\$16.00 ton at works; drums named at \$1.10@\$1.25 and carboys, \$1.25@\$1.75; 60° in tanks named at \$9.00@\$10.00 ton; oleum at \$17.00@\$18.00 ton for 20 per cent; drums, \$1.25@\$1.75.

Aluminum Sulfate—Firm at recent quotations with iron-free named at \$2.40@\$2.50 and contracts possibly at \$2.25. Imported named at \$2.20@\$2.50. Commercial held at \$1.35@\$1.40.

Blanc Fixe—Deliveries are reported fair and prices are steady at \$75.00@\$80.00 ton for the dry. Pulp named at \$50.00@\$55.00 ton. Imported dry at \$70.00@\$72.00 ton.

Bleaching Powder—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

Casein—Has become stronger and imported are asking 10clb. c.i.f. and prompt shipment at 12½c@14½c. lb. for imported and domestic. Recent low prices allowed little

or no profit and holders are now firmer in their views. Imports last week at New York were 7,017 bags from Argentina.

China Clay—Deliveries have slowed up but are expected to be resumed after the year gets under way. Crude named at \$6.00@\$8.00 ton; washed and ground at \$7.50@\$12.00 ton; filler clay, \$13.00@\$16.00 ton; coating clay, \$25.00 ton.

Chlorine—Contracts were being closed with tanks named at 3clb. and on cylinders at 5½c@6clb. Small cylinders at 6c@8clb.

Salt Cake—Shipments reported smaller owing to inventory period and lessened consumption. Prices are quoted at \$21.00@\$24.00 ton according to quantity and location.

Sodium Bisulfite—Unchanged at 4½clb. for the dry and \$1.25@\$1.75 for the solution according to strength.

Satin White—Named at \$1.45@\$1.50 by makers.

Sodium Silicate—Makers continue to quote 40° at 75c @80c as to quantity in tanks and drums; 60° at \$1.75@\$1.90.

Soda Ash—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@\$2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@\$2.44.

Rosins—Demand has been light with buyers conservative in their purchases. Prices are firmer and quoted as follows: B to H, \$5.70; I, \$5.75; K, \$5.90; M, \$6.20; N, \$6.30; WG, \$7.00; WW, \$7.15.

TO HOLD PAPER EXPOSITION APR. 7

Managers of the Paper Industries Exposition, to be held during the week of April 7, announce the appointment of an advisory committee as follows: Dr. Hugh P. Baker, executive secretary American Paper and Pulp Association; H. J. Berger, editor, "Paper Trade Journal"; J. A. Carpenter, vice-president, National Paper Trade Association; F. D. Cowdery, Albany Felt Co.; N. R. Davis, president American Pulp & Paper Mill Superintendents Association; Joseph L. Fearing, president Salesmen's Association of the Paper Industry; Harry S. Ferguson, paper mill engineer; E. B. Fritz, publisher "The Paper Industry"; Phil A. Howard, president "American Paper Merchant"; C. W. Hurtubis, chairman Woodlands Section, American Paper and Pulp Association; Dr. Ralph McKee, Columbia University; Burton Millar, editor "Paper"; Fred W. Payne, co-manager Exposition; Frank W. Power, president National Paper Trade Association; L. D. Post, publisher "Paper Mill"; Walter J. Raybold, former president American Paper & Pulp Association; Charles F. Roth, co-manager Exposition; George W. Sisson, Jr., former president, American Paper & Pulp Association; R. C. Spear, Cheney Bigelow Wire Works; Henry W. Stokes, president American Paper and Pulp Association; H. S. Taylor, president Technical Association of the Pulp and Paper Industry; Tom Walden, editor "Walden's U. S. Paper Maker"; Dr. Louis E. Wise, New York State College of Forestry.

"Although the production of paper in the few weeks preceding the annual inventory period is not likely to be large it is now evident that the volume of paper production in the past year has been high," says a market review in "Paper and Pulp Industry," the monthly publication of the American Paper and Pulp Association.

[JANUARY 2, 1924]

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With a prospect for generally good business throughout the coming year in all industry, the paper manufacturers should expect an increasing demand after the first of the year."

Rubber Chemicals

	Trend of the Market						Pre-
	Last	Week	Month	Last	War	Pre-	
	Today			Year	Peak	War	
Antimony Sulfide Crim....	\$.39	\$.39	\$.36	\$.35	\$.45	\$.35	
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10	
Carbon Black .....	.11	.11	.12	.15	.30	.14	
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00	
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..	
Iron Oxide, Span.....	.08½	.08½	.08	.04	.04	.03	
Lithopone .....	.06½	.06½	.07	.06	.08	.04	
Sulfur	3.05	3.05	3.00	2.50	6.50	2.75	
Whiting, Dom.....	14.00	14.00	14.00	18.00	30.00	11.00	
Zinc Oxide, Amer.....	.07¾	.08½	.08¾	.07	.09½	.09	
Average	3.462	3.462	3.455	3.820	5.931	..	

Although business in rubber chemicals has been confined more or less to routine requirements, the turn of the year is expected to see a resumption of activity owing to the reported small stocks carried by rubber mills. The open Winter is thought to have caused a better demand for tires and when Spring comes, stocks of the finished goods will contain materials that were bought during the late Fall. Changes have been few with tendency for holders to wait and obtain their price. Another carbon black factory is reported under construction in Canada with an output of 2,400 pounds per day.

Ninety per cent benzene is lower owing to a weak market. Carbon black is quiet and routine business only is reported from several directions. Whiting and white barytes have been in active demand. Increased freight rates of \$1.75 ton on imported white barytes have caused a similar advance in the spot quotation.

Acetone—Demand is keeping supplies moving regularly. No large quantities are available and prices are firm at present quotations. C.P. at 25c@25½clb.; methyl acetone, \$1.15@\$1.20; acetone oil, \$1.25@\$1.30.

Acid, Acetic—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Aniline Oil—Demand routine with supplies ample for all requirements at 16c@17clb. works, and 17c@18clb. spot.

Aluminum Flake—Steady at \$23@\$27 ton works as to seller and quantity.

Antimony Sulfide—Actual business transacted has been small, although prices are unchanged at 19c@24clb. spot for golden, and 39c@50clb. for crimson.

Asbestine—Quiet at \$18@\$20 ton works.

Benzene—Has declined again and now quoted at 18c @20c gal. works in tanks, and 23c@26c gal. in drums for 90 per cent material. Pure, however, remains unchanged at 20c@23c gal. works in tanks, and 25c@28c gal. in drums. With the curtailment of production and the active consumption of gasoline owing to the open Winter, the trade thinks that this item ought to show some stability in the near future.

Blanc Fixe—Quoted at 4c@4½clb. f.o.b. New York.

Carbon Bisulfide—Little business reported in this item at the moment at 6c@6½clb. spot as to quantity.

Carbon Black—Quoted quiet at 11c@13clb. spot for 1c/l in cases, and contracts at 8c@11clb. Makers are tending to hold up prices, but are finding it rather difficult owing to the increasing production and some distressed lots on the market, which are being quoted considerably below the ruling levels. Export demand quiet at the moment.

China Clay—Quoted at \$13@\$20 ton for domestic at points of production, and \$18@\$20 for imported.

Chinoidin—Steady at 55clb. spot in drums.

Diphenylguanidine—Makers report a firm market at \$1.10@\$1.15lb. spot with little material in outside hands.

Hexamethylene—Quoted firm though quiet at the moment at 82½c@85clb. spot. Supplies are said to be none too plentiful, and if demand opens up after the turn of the year, some orders will probably go unfilled.

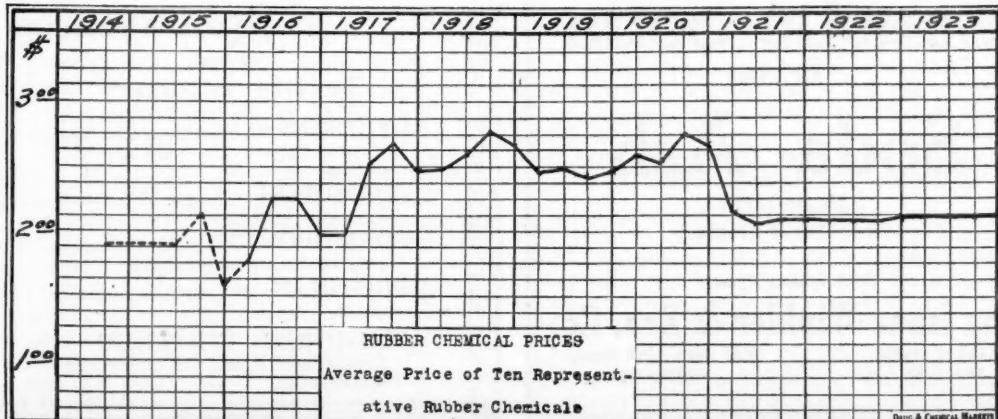
Iron Oxide—Named at 3½c@7½clb. spot for Spanish, and 12c@16clb. for English.

Lithopone—Quoted easy at 6½c@7clb. spot as to quantity. During past week 4,805 bags were imported at New York from Antwerp, and 60 bags from Rotterdam.

Mineral Rubber—Steady at \$35@\$50 ton for 300/315 quality.

Sulfur—Quiet at \$3.05@\$3.30 cwt.; superfine at \$2.50 @\$2.90cwt.; and chloride at 6c@7clb.

Talc—Domestic quoted at \$15@\$18 ton works; French at \$40@\$45 ton; and Italian at \$47@\$58 ton. During past week 700 bags were imported at New York from Genoa.



[JANUARY 2, 1924]



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ping woolen goods and shoddy.

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goods.

ALUMINUM CHLORIDE—
Crystals and liquid, for carbonizing
woolen stock.

Thiocarbanilide—Some activity was reported at 28c@30clb. spot.

Whiting—Domestic named at \$13@\$15 ton works c/l, and imported at \$16@\$18 ton spot. Demand active.

White Barytes—Inquiry on increase and fair sized quantities were disposed of last week at \$26@\$32 ton f.o.b. St. Louis in c/l. Imported higher at \$29@\$35 ton spot owing to increased freight rates. Last week saw 1,700 bags entered at New York.

Zinc Oxide—Quoted easy at 73c@83clb. spot as to quantity. Demand routine at the moment.

Pratt-Hewitt Syndicate, Refugio, Tex., will construct a carbon black plant estimated to cost in excess of \$230,000, including equipment. It is expected to ask for bids for equipment at an early date.

Thomas Rubber Co. has bought the Wooster, O., plant of Kelly-Springfield Tire Co. The factory and headquarters of the Thomas company are now located at Wooster.

Textile Chemicals

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17c@\$17.00	\$1.50	\$0.79c
Acid, Oxalic	.12	.12	.12	.13½ .70	.70	.07½
Bleaching Powder	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate	4.60	4.60	4.60	6.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.25	4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.90
Potash, Caustic, Imp.	.07	.07	.07	.06½ .87	.12	.06
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½ 9.50	1.80	
Sodium Bichromate	.07½	.07½	.07½	.07½ .45	.04½	
Average	1.742	1.742	1.742	1.865	4.800	1.42

Consumption of textile chemicals has been along routine lines with prices showing little change from previous quotations. Makers of starch and dextrine announced a reduction of 15c. Dyes and dyestuffs have been moving very slowly owing to the restricted operations in textile mills throughout the country.

Acid, Acetic—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@\$3.63; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78@\$13.53.

Acid, Formic—Consumption continued good up to the close of the year and with supplies limited prices held firm at 12½c@13clb. for the 90 per cent material and 12c@12½clb. for 85 per cent.

Acid, Oxalic—Fair buying was reported with prices holding at recent levels. Domestic producers are quoting 12c@12½clb. while imported material is named at 11½c@12clb.

Acid, Sulfuric—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@\$16.00 ton at works; drums named at \$1.10@\$1.25 and carboys, \$1.25@\$1.75; 60° in tanks named at \$9.00@\$10.00 ton; oleum at \$17.00@\$18.00 ton for 20 per cent; drums, \$1.25@\$1.75.

Bleaching Powder—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

Chlorine—Contracts were being closed with tanks

named at 3clb. and on cylinders at 5½c@6clb. Small cylinders at 6c@8clb.

Epsom Salt—Prices remained steady at \$1.70@\$2.00 for the domestic technical as to quantity and \$2.10@\$2.50 for the U.S.P. Imported technical at \$1.00@\$1.10 and U.S.P. at \$2.00@\$2.25.

Glauber's Salt—Consumption has fallen off but prices are holding at recent quotations and range from \$1.30@\$2.00 according to quantity. Imported named at 85c@90c per hundred.

Potash, Caustic—Shipments from abroad continue at 6½c@6½clb. while spot material is named at 6¾clb.

Soda Ash—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@\$2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@\$2.44.

Soda, Caustic—Deliveries slowed up at the close of the year but with nearly all contracts closed for next year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@\$3.91 as to quantity, delivered, in the metropolitan district.

Sodium Acetate—Quoted at 43c@5clb. on routine demand.

Sodium Bichromate—Quiet at the close with prices holding at former quotations of 7½c@7½clb. according to seller and quantity.

Sodium Prussiate—Little activity was reported during the week and prices showed no change. Imported quoted at 11½c@12clb. as to seller. Domestic at 12½clb.

Sodium Sulfide—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from 3½c@4clb. and broken at 4½c@5clb.; crystals named at 2c@2½clb. as to seller.

Starches and Dextrines

Demand has been somewhat routine during the last few weeks. Makers have announced a reduction of 15c per hundred pounds. British gum named at \$3.84@\$3.99; white corn dextrine, \$3.49@\$3.59; yellow, \$3.54@\$3.64; potato, 7½c@8½clb.; powdered starch, \$3.05@\$3.17; pearl, \$2.78@\$3.07; tapioca flour, 5½c@7clb. Technical albumen continues scarce and nominal around \$1.15lb.

Samples of a wood fiber, known in the State of Vera Cruz as "jonote," have been received from Vice Consul Willys A. Myers, Vera Cruz, by the Textile Division, Department of Commerce and will be made available for inspection to persons applying to the district offices of the Bureau of Foreign and Domestic Commerce, or the Textile Division, Washington, D. C. The jonote is a tree growing to a height of about 45 feet. It produces a fiber the same length as the tree, this fiber being taken from the bark, and might be made available in many textile products, such as mats, bagging and rugs.

Tubize Artificial Silk Manufacturing Co. of Belgium, with which the Tubize Artificial Silk Co. of America is affiliated, has organized a French company with a similar name and having a capitalization of 50,000,000 francs, according to information received by the foreign department of Moody's Investors Service.

James P. Hooper Mfg. Co., Baltimore, will install additional machinery at its plant for the manufacture of artificial silk, under a special chemical process, utilizing wood pulp. James P. Hooper is president.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; Crude Drugs, Essential Oils, including oleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	— .379	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	— .835	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	— 2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls...lb	.27	: .28	ACID, Carbolic —(Continued)	
100 lb kgs.....lb	.28	: .30	Crude, 25% 50 gal. bbls...gal	.35 : .36
USP 200 lb bbls.....lb	.32	: .33	10%, 50 gal. bbls...gal	.30 : .32
Second Hand.....lb	.29½	: .30	Chloracetic, mono 100 lb bbls. wks....lb	... : .30
Acetic Anhydride, 85% 480 lb drs...lb	... : .88	DL, 150 lb chys. wks....lb	... : 1.00	
85%, 107 lb chys.....lb	... : .88	Tr., 425 lb bbls. wks....lb	... : 2.45	
92-95% 100 lb chys.....lb	.48	: .45	Chlorosulfonic, 1500 lb drs. wks.....lb	.15 : .16
Acetone, CP 700 lb drs. c/l wks...lb	... : .25	Chromic, USP 200 lb drums...lb	... : .40	
700 lb drs. de/l wks.....lb	... : .25%	85% Pure, 200 lb drums...lb	... : .35	
350 lb drs. le/l wks.....lb	... : .25%	Chromotropic, 300 lb bbls...lb	... : 1.35	
Second Hand, spot.....lb	.30	Chrysophanic, see Chrysanthic Cinnamic, 5 lb cans.....lb	... : .93	
Acetone Oil, light, drs. wks...gal	1.25	: 1.30		
Heavy, drs. wks...gal	1.25	: 1.30		
Acetophenetidin, 150 lb bbls...lb	1.85	: 1.90		
Acetyl Chloride, 100 lb chys...lb	.40	: .41		
ACID, 1, 2, 4, 250 lb bbls...lb	... : 1.30	CITRIC, USP crys. 230 lb bbls...lb	... : .48	
Acetic, 28% 400 lb bbls. c/l wks.....lb	100 lb	Powd., USP 200 lb bbls...lb	... : .49	
28%, c/l wks.....100 lb	... : .63	Imported, cryst. 112 lb kegs...lb	.47 : .48	
56%, c/l wks.....100 lb	... : .75	Single kegs.....lb	.47 : .48	
56%, le/l wks.....100 lb	... : 7.00	Cleves, 250 lb bbls...lb	1.00 : 1.10	
70%, bbls, c/l wks...100 lb	... : 8.38	Cresylic, 95% dark dr. NY...gal	.70 : .75	
70%, le/l wks.....100 lb	... : 8.63	97-99% straw, drs. wks...gal	... : .75	
80% coml. bbls. c/l wks...100 lb	... : 9.58	97-99% pale, drs. NY...gal	.75 : .85	
80% coml. le/l wks...100 lb	... : 9.83	Crude, spot, drums...gal	.60 : .70	
80% pure bbls. c/l wks...100 lb	... : 11.41	Diethylbarbituric, 10 lb lots...lb	8.50 : 10.50	
80%, pure le/l wks...100 lb	... : 11.60	Formic 85% tech. 140 lb chys...lb	.12½ : .12½	
Glacial, bbls, c/l wks...100 lb	... : 12.78	90%, 80 lb chys. incl...lb	.12½ : .13	
Glacial, le/l wks...100 lb	... : 12.03	Gallie, USP, 150 lb bbls...lb	... : .65	
Glacial, USP chy wks...100 lb	... : 13.53	Gamma, 225 lb bbls. wks...lb	... : 1.70	
Acetylbenzylc, 220 lb bbls...lb	.75	Bbls., ton lots wks...lb	... : 1.65	
Second Hand.....lb	... : .72½	Glycerophosphoric, 25% 15 bbls...lb	1.50 : 1.60	
Anthranilic, tech. drs...lb	... : .94	Bbls., ton lots wks...lb	.75 : .80	
99-100%, 100 lb drs...lb	... : 1.00	H 225 lb bbls...lb	... : .72	
Benzene, tech. 100 lb bbls...lb	... : .75	Hydroiodic, 10% USP 5 lb bot...lb	... : .73	
Tech. ton lots bbls...lb	... : .70	Hydrobromic, 48% coml. 155 lb chy. wks...lb	.35 : .40	
USP, 100 lb bbls...lb	... : .75	48% coml. 10 chys. wks...lb	... : .40	
Second Hand.....lb	.72	40% USP 155 lb chys. wks...lb	.45 : .46	
Berie, cry. powd. 250 lb bbls...lb	.10%	10% USP 100 lb chys. wks...lb	.11 : .13	
Kgs., 100 lb	.11%	Hydrochloric, see also Acid Muriatic CP, 110 lb chys...lb	.09 : .11	
Bremner's 250 lb bbls...lb	1.55	HYDROFLUORIC, 30% 400 lb bbls. wks...lb	... : .07	
Butyric, 80% pure 5 lb bot...lb	.50	30% bbls. c/l wks...lb	... : .06	
C.P. 10 lb bot...lb	1.25	30% 100 lb chys. wks...lb	... : .07	
Carbolic, USP, VIII 1 lb bot...lb	5.90	45% single 100 lb chy. wks...lb	... : .11	
112 lb tons.....lb	.28	45% 10 chys. wks...lb	... : .10	
25 lb tons.....lb	.30	52% 100 lb chy. wks...lb	... : .12	
55 lb tons or bot...lb	.33	52% 10 chy. wks...lb	... : .11	
1 lb bot...lb	.37	52% 10 chy. wks...lb	... : .11	
Liquid U.S.P. 1 lb bot....lb	.38			

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Chemicals

ACID, NITRIC, 36° 135 lb	
Crys., wks.....	100 lb 4.75 : 5.00
Crys. c/l wks.....	100 lb 4.50 : 4.75
33° single crys. wks.....	100 lb 5.50 : 5.75
Crys. c/l wks.....	100 lb 5.25 : 5.50
40° Single crys. wks.....	100 lb 6.00 : 6.50
Crys. c/l wks.....	100 lb 5.75 : 6.00
42° Single crys. wks.....	100 lb 6.75 : 7.50
Crys. c/l wks.....	100 lb 6.50 : 7.00
C. P. crys. single wks.....	100 lb .14 : .16
Oxalic, 325 lb bbls. wks.....	lb .12 : .12 1/2
Bbls. NY.....	lb .12 1/2 : .13
Kgs. 100 lb NY.....	lb .13 : .13 1/2
Imp., 560 lb cases.....	lb .11 1/2 : .12
Phosphoric, 50% tech. 100 lb crys.....	lb .08 : .09
USP, 85% syrup, 70 lb demis.....	lb .12 : .14
Phthalic, see Phthalic Anhydride	
Picramic, 300 lb bbls.....	lb ... : .65
Picric, 450 lb bbls.....	lb ... : .80
Bbls. car lots wks.....	lb .20 : .25
Pyrogallic, crys. 5 lb cases.....	lb 1.20 : 1.50
Resorcinol, 5 lb cases.....	lb 1.60 : 1.70
Tech. powd., 200 lb bbls.....	lb ... : 1.20
Salicylic, tech. 125 lb bbls.....	lb .32 : .33
USP, 100 lb bbls.....	lb ... : .35
Second Hands.....	lb .34 : .35
Sulfanilic, 250 lb bbls.....	lb .17 : .20
SULFURIC, 66° 180 lb crys.	
le/l wks.....	100 lb 1.50 : 1.75
Crys. c/l wks.....	100 lb 1.25 : 1.50
1500 lb Drums, le/l wks.....	... : 1.25
Drums, c/l wks.....	100 lb ... : 1.10
Tank cars, wks.....	net ton 15.00 : 17.00
60° 1500 lb Drums, le/l wks.....	100 lb .70 : .90
Drums, c/l wks.....	100 lb .60 : .80
Tank cars, wks.....	net ton 9.00 : 11.00
C. P. 175 lb crys.....	100 lb ... : .90

Acid Sulfuric	
Oleum, 20 p.c. 1500 lb drums, le/l wks.....	100 lb 1.50 : 1.75
Drums, c/l wks.....	100 lb 1.25 : 1.50
Tank cars, wks.....	net ton 17.00 : 19.00
Contract cars, wks.....	ton ... : ...
Oleum, 40% drs le/l wks net ton ton	... : 40.00
Oleum, 60% drs, le/l wks. net ton ton	... : 70.00
Sulfurous, USP 6% 100 lb crys. lb	
4% 100 lb crys.....	lb .05 : .06
USP, 5 gal. demis.....	lb .04 : .05
Tannic, tech. 300 lb bbls.... lb	
USP, powd. 200 lb bbls.... lb	.80 : .83
USP, fluffy, 50 lb bbls.... lb	.80 : .83
Tartaric USP cryst 300 lb bbls. lb	
USP, powd. 300 lb bbls. lb	.30 : .30
Powd. 240 lb bbls. lb	.28 : .29
Tobias, 250 lb bbls.....	lb 1.00 : 1.10
Tungstic, 100 lb kgs.....	lb .98 : .99
Valeric, C.P., 10 lb bot.	lb 4.00 : 4.25
Acetone Alk. cryst. 1 oz. vials	
Amorphous, 1 oz. vials	... : 20.00
Adso Lanase, hydros 350 lb bbls. lb	
Anhydrous, 350 lb bbls.....	lb .21 : .23
Albumen, Egg, edible..... lb	
Technical, see Dyers Sundries	1.15 : 1.25
ALCOHOL, USP pf. 50 gal. bbls. gal	
Second Hands, bbls, USP 190 pf. gal	4.83 : 4.91
Export, USP, 190 pf. gal	... : ...
Cologne Spirit, 50 gal. bbls. gal	4.90 : 5.00
WOOD, see Methanol	
Alcohol, also in 50 gal drums, extra and returnable.	
Amyl, see Oil Fusel	
Butyl, 50 gal. drums.....	lb .45 : .50
Isobutyl, crude 50 gal. drums. gal	
Refined, 10 lb can.....	lb 2.00 : 2.50

ALCOHOL—(continued)	
Isopropyl, crude 50 gal. drs. gal	... : 2.25
Refined, 50 gal. drs. gal	4.00 : 4.50
Ref'd, 91%, drs. gal	... : 3.50
Methyl, see Alcohol, Wood	
Propyl, nml. erd. 50 gal. drms. gal	... : 4.40
Refined, 10 lb can.....	... : .75
Denatured	
No. 1 Complete Denat. 188 Proof	
50 gal. bbls. incl. gal	.56 : .58
50 gal. drums, extra.... gal	.51 : .53
No. 1 Special Denat. 190 Proof	
50 gal. bbl. incl. gal	.54 : .56
50 gal. drums, extra.... gal	.48 : .50
No. 5 Complete Denat. 188 Proof	
50 gal. bbls. incl. gal	.53 : .55
50 gal. drums, extra.... gal	.47 : .49
No. 6 Complete Denat. 188 Proof	
50 gal. bbls. incl. gal	.53 : .55
50 gal. drums, extra.... gal	.46 : .48
In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.	
Aloin, USP 100 lb cases.....	lb .90 : .95
Alpha-Naphthol, crude 300 lb bbls. lb	... : .65
Refined, 300 lb bbls. lb	... : .75
Alpha-Naphthylamine, 350 lb bbls. lb	.35 : .37
Ton lots, bbls. wks.....	... : .35

General Chemicals

A MARK OF PLEDGED RESPONSIBILITY



ON PRODUCTS OF STANDARD MERIT

Acetic Acid

Sulphuric Acid
Epsom Salt
Hydrochloric Acid
Mixed Acids
Nitric Acid

Ammonia Alum
Aluminum Sulphate
Aqua Ammonia
Copperas Nitrate Iron
Anhydrous Bisulphite Soda

Salt Cake
Tin Crystals
Sodium Sulphide
Sodium Silicate
Sodium Phosphate

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Non-Corrosive Chlorinated Solvent

An ideal solvent for
**FATS, OILS, WAXES, GUMS,
RESINS AND ESTERS**

Applicable in
**Commercial Extractions, Degreasing,
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Will not Corrode Metal Diminishes Fire Hazard
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Telephone Vanderbilt 8706

These chemicals were developed and are made by us. Consult our Research Department about them.



Chemicals

ALUM, Ammonia, Lump 400 lb bbls. wks. 100 lb 3.50 : 3.65	AMMONIA anhyd. 100 lb cyl....lb Water, 25° 800 lb drs. wks. Drs. e/l wks. C.P., chys. Imp. 800 lb drs.incl.spot. lb .06% : .07	AMMONIUM—(Continued) Persulfate, 112 lb cases....lb .40 : .45
Imp., 500 lb cans....100 lb ... : ...	C.P., chys. 25° 100 lb chys. le/l wks. lb .05% : .09% C.P., e/l wks. 20°, 800 lb drs. le/l wks. lb .07% : .08	Phosphate, dibasic 200 lb bbls. lb .35 : .36
Ground, 400 lb bbls. wks.100 lb 3.65 : 3.75	C.P., chys. 20°, 800 lb drs. le/l wks. lb .07% : .08	Tech. powd. 325 lb bbls....lb .15 : .17
Powd., 350 lb bbls. wks.100 lb 3.90 : 4.00	18°, 800 lb drs. le/l wks. lb .05% : .05% C.P., chys. 16°, 800 lb drs. le/l wks. lb .07% : .07	Salicylate, USP 100 lb kegs. Sulfate, bals. e/l wks....100 lb 200 lb single bgs.e/l wks.100 lb .29 : .31
Chrome 500 lb cks wks.100 lb 5.50 : 6.00	18°, 800 lb drs. le/l wks. lb .05% : .05% C.P., chys. 16°, 800 lb drs. le/l wks. lb .07% : .07	200 lb double bgs. f.a.m.100 lb .28 : .28
Potash, Lump 400 lb bbls. wks. 100 lb ... : 4.50	Ammonium Acetate, 100 lb kegs. lb ... : .40	Sulfocyanide, tech. 100 lb kgs. lb .50 : .50
Bbls. e/l wks. 100 lb ... : 4.25	Benzoate, USP, 1 lb bot....lb .98 : 1.05	CP, 25 lb jars....lb .75 : .80
Cont. bbls. e/l wks.100 lb ... : 4.25	Bifluoride, 300 lb bbls....lb .32 : .23	Amyl Acetate, tech. 50 gal. drs.gal 4.85 : 4.75
Imp. 650 lb cases s.p.100 lb 2.85 : 3.00	100 lb kegs .....lb .23 : .24	90%, 5 gal. cans....gal 7.00 : 8.00
Ground, 400 lb bbls. wks.100 lb 4.35 : 4.60	Bromide, 50 lb boxes....lb .17% : .18%	Alcohol, see Fusel Oil
Imp. 650 lb cases....100 lb 3.00 : 3.25	Imported, 112 lb boxes....lb .17% : .18%	
Powd., 380 lb bbls. wks.100 lb 4.50 : 4.75	Carb., tech. 560 lb casks....lb .09 : .10	
Chrome, 700 lb cks wks.100 lb 5.50 : 6.00	Powd., tech. 385 lb bbls. lb ... : .09	Antimony metal, slab tons lota100 lb 9.75 : 10.00
Soda, grd. 400 lb bbls. wks.100 lb ... : 4.00	USP, Lump, 100 lb kegs....lb ... : .09%	Needle Powd., 100 lb cases....lb .08 : .09%
Bbls. e/l wks. 100 lb ... : 3.50	Powd., 100 lb kegs....lb ... : .10%	
Aluminum, metal, e/l NY...100 lb 25.50 : 26.00	Chloride, Domestic White gran. 250 lb bbls.NY. lb ... : .08	ANTIMONY CHLORIDE , anhyd 1000 lb
Chloride, anhyd. 275 lb drs....lb .20 : .22	Bbls. e/l wks. ....lb ... : .07%	dr. ....lb .35
30% sol. 120 lb chys....lb .03% : .04	Gray 250 lb bbls. wks. ....lb .05% : .08%	50 lb crocks ....lb .45 : .48
Hydrate 96% light 90 lb bbls. lb .18% : .20	Bbls. e/l wks. ....lb .08 : .08%	Sol'n., 130 lb earboys....lb .11
Heavy, 62-64%, 220 lb bags....lb .06 : .06%	Imp. wh. 600 lb cases spot. lb .06% : .06%	Oxide, 500 lb bbls....lb .08% : .09
SULFATE, Iron-free bags e/l wks. 100 lb 2.40 : 2.50	Gray, 600 lb cases spot. lb .07% : .08	Salt, dom. 500 lb bbls....lb .24 : .25
Imported, spot ....100 lb 2.20 : 2.50	Lump, 500 lb cases spot....lb .14 : .15	Imp., NY. ....lb .19 : .20
Comm'l., 1/2% iron, bgn. e/l wks. East 100 lb ... : 1.40	Ichthyolate, as to brand....lb 4.25 : 5.00	Sulfuret, golden 500 lb bbls....lb .21 : .21
Cont. bgs. e/l wks. E.100 lb ... : 1.40	Iodide, USP, 25 lb jars....lb ... : 5.20	Crimson, 500 lb bbls....lb .38 : .38
Bags. e/l wks. W...100 lb ... : 1.35	Lactate, 500 lb bbls....lb .15 : .16	Red, 500 lb bbls....lb .36 : .45
Bbls. e/l wks. East.100 lb ... : 1.55	Nitrate, tech. crys. 225 lb bbls. lb ... : ...	336 lb kegs ....lb .42 : .42
Bulk, e/l cont. wks. E.100 lb ... : ...	Refined Crystals, bbls....lb .18 : .20	Tartrolactate, 500 lb bbls....lb .45 : .45
Amidol, (see Diaminophenol)	Sal Ammoniac	Antipyrine, USP, 100 lb cases...lb 2.85 : 2.50
Anidopyrine, 10 lb boxes....lb 4.60 : 4.90	Peroxide Sodium	Apomorphine Hydchloride, 1/2 oz. vials.oz 19.10 : 19.35
1 lb cartons, 10 lb ....lb ... : ...		Areocaine Hydrobromide, 1 oz. vial...oz 9.00 : 10.50
Aminoanisobenzene, 110 lb kgs....lb ... : 1.15		Argols, red powd. 350 lb bbls....lb .06% : .07



CHLORIDE OF LIME

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Tannic Acid
Sodium Sulphide
Potato Starch
Textile Oils

Carbon Tetrachloride
Peroxide of Hydrogen
Caustic Potash
Carbonate of Potash
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Salt Cake

Anhydrous Sodium Sulphate

Muriatic Acid

Sulphuric Acid

Mixed Acid

Barium Chloride

Strontium Nitrate

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Colchicine Salicylate

Creosote, U. S. P.

Creosote Carbonate

Cumarin

Diacetylmorphine

Alkaloid and Hydrochloride

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Duboisine Sulphate

Emetine and Salts

Eserine and Salts

Guaiacol Liquid

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Sparteine Sulphate

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Theobromine and Salts

Veratrine and Salts

Yohimbin Hydrochloride

THE HOFFMANN-LA ROCHE CHEMICAL WORKS NEW YORK

[JANUARY 2, 1924]

Chemicals

Arsenic, metal 220 lb. kegs.....	lb.	..	: .45
Red, 224 lb. kegs cases.....	lb.	.15	: .15½
White, 550 lb. bbls., NY.....	lb.	.13	: 13½
Asbestine	ton	16.00	: 18.00
Aspirin, see Acid Acetylalicylic			
Atropine Alk. USP, 1 oz. vial.....	oz.	7.50	: 8.00
Sulfate, 5 oz. cans.....	oz.	..	: 4.00
Single ounce	oz.	..	: 4.17
SARIUM BINOXIDE, see Barium dioxide			
Carbamate, precip., 800 lb. bbls. wks.....	ton	..	: 70.00
Precip., 200 lb. bgs. wks.....	ton	..	: 70.00
Imports, bbls., spot.....	ton	69.00	: 70.00
Chloride, 800 lb. bbls. wks.....	ton	80.00	: 82.00
200 lb. bgs. wks.....	ton	..	: 80.00
Import, bbls., spot.....	ton	..	: 85.00
Dioxide, 85% 690 lb. drs.....	lb.	.17	: .18
Import, 83-85% 400 lb. drs.....	lb.	.13½	: .15
Hydrate, 500 lb. bbls.....	lb.	.05	: .05½
Iodide, 5 lb. box.....	lb.	..	: 5.15
Nitrate, 700 lb. cans.....	lb.	..	: .10
Import cans.....	lb.	.08½	: .08½
Sulfocyanide, 400 lb. bbls.....	lb.	..	: .85
Barytes, Roasted 350 lb. bbls.....	ton	32.50	: 35.00
Bay Rum, Pure Rican, genuine			
Denat. salicy acid or tartar emetic 45 gal. bbls.....	gal.	2.50	: 2.75
Denat. quinine sulf. 45 gal. bbls.....	gal.	2.65	: 2.75
Domestic synthetic, 50 gal. bbls.....	gal.	1.10	: 1.25
Benzaldehyde, tech. 945 lb. drs. wks.....	lb.	.75	: .80
USP, 40 lb. drs.....	lb.	1.50	: 1.60
FPC, 40 lb. drs.....	lb.	1.60	: 1.75
BENZENE, 90% 8000 gal. tanks			
wks.....	gal.	.18	: .20
110 gal. drs. wks.....	gal.	.23	: .25
Pure, Tanks, wks.....	gal.	.20	: .22
110 gal. drs. wks.....	gal.	.25	: .27
BENZINE Base, dry 250 lb. bbls. lb.	..	..	: .84
10 bbl. lots	lb.	.80	: .82
Benzidine Sulfate, paste 350 lb. bbls.	lb.	.70	: .72
Benzol, see Benzene			
Benzonaphthol, 5 lb. boxes.....	lb.	8.50	: 8.80
Benzoyl Chloride, 500 lb. drs.....	lb.	..	: 1.00
Benzyl Acetate, 100 lb. drs. lb.	lb.	1.40	: 1.50
Alcohol, 5 lb. bot.....	lb.	1.60	: 1.70
Benzote, 5 lb. bot.....	lb.	1.50	: 1.60
Medicinal FPC	lb.	1.75	: 1.85
Chloride, 95% tech. 925 lb. drs. lb.	lb.	..	: .25
100 lb. drs.	lb.	.25	: .30
Redistill. 100 lb. drs.	lb.	.40	: .45
Formate, 1 lb. bot.....	lb.	4.00	: 4.25
Berberine Hydrochloride, 1 lb. bot.	lb.	..	: 22.50
Sulfate, acid or neut. 1 lb. bot. lb.	lb.	..	: 22.00
BETA-NAPHTHOL, 350 lb. bbls. wks. lb.	lb.	..	: .26
Carbols, wks.	lb.	.24	: .25
Sublimed	lb.	.55	: .60
Beta-Naphthylamine, tech. 200 lb. bbls.	lb.	..	: .76
Sublimed, 200 lb. bbls.	lb.	..	: 1.35
Bichloride Mercury, see Mercury Bichloride			
BISMUTH metal, 150 lb. cases.....	lb.	2.50	: 2.60
Second Hands	lb.	2.50	: 2.60
Ammon. Citrate, USP 5 lb. bms. lb.	lb.	..	: 5.75
Betanaphtholate, 5 lb. bms.	lb.	..	: 3.35
Citrate, USP 5 lb. bms.	lb.	..	: 3.15
Nitrate, 25 lb. jars.....	lb.	..	: 2.00
Oxychloride, 250 bbls.....	lb.	..	: 3.50
Phenolnifamate, 5 lb. cans....	lb.	..	: 3.20
Salicylate, 250 bbls.....	lb.	..	: 2.00
Subcarbonate, USP, 250 bbls. lb.	lb.	..	: 3.40
X-Ray diag. 1 lb. bot.	lb.	..	: 3.80
Subgallate, USP, 175 lb. bbls. lb.	lb.	..	: 2.80
BISMUTH—(Continued)			
Subiodide, 5 lb. lots.....	lb.	..	: 4.70
Subnitrate, USP, 250 lb. bbls.	lb.	..	: 2.90
Second Hands, bbls. or less. lb.	lb.	..	: 2.85
Cones, 1 lb. bot.	lb.	..	: 3.10
Submallycylate, USP, 175 bbls. lb.	lb.	..	: 2.73
Tannate, 1 lb. bot.	lb.	..	: 3.73
above on basis 25 lb. lots.			
Smaller lots at an advance.			
Blanc Fixe, dry 400 lb. bbls. wks. ton	ton	75.00	: 80.00
Imported, bbls.	ton	70.00	: 72.00
Paste, 650 lb. bbls.	ton	50.00	: 55.00
BLEACHING POWDER, 700 lb. drs.			
c/l wks.	100 lb.	..	: 1.25
Drums c/l ex-warehouse. 100 lb.	100 lb.	1.90	: 2.00
Contract, c/l wks.	100 lb.	..	: 1.25
F. a. s. c/l.	100 lb.	..	: ..
Imported, spot	100 lb.	..	: ..
Blue Ointment, see Mercury			
Mass, see Mercury			
Bone Ash, 100 lb. kegs.....	lb.	..	: .98
Black, 200 lb. bbls.....	lb.	.06	: .98
Borax, USP, crys. 400 lb. bbls.	lb.	.05%	: .06
Powdered, USP, 300 lb. bbls.	lb.	.05%	: .06
Kegs, USP, 100-150 lb.	lb.	.06	: .08%
Bordeaux Mixture, powd. bbls.	lb.	.12	: .15
Paste, bbls.	lb.	.05	: .10
Borneol, 1 lb. bot.	lb.	..	: 3.50
Bromide, see poiss. bromide, etc.			
Bromine, bot. in 60 lb. ca. wks. lb.	lb.	..	: .39
Bromobenzene, 600 lb. drums....	lb.	.40	: .42
Bromiform, USP 5 lb. bot 50 lb. ca.	lb.	..	: 1.50
Brucine Sulfate, 100 gm.	gm.	..	: .30
Butter of Antimony, see Antimony Chloride			
CADMIUM, metal 100 lb. bms.	lb.	1.20	: 1.25
Bromide, 50 lb. cases jars....	lb.	..	: 1.10
Iodide, 10 lb. bot.	lb.	..	: 4.45
Sulfide, ca.	lb.	1.50	: 1.60

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C. P. Acids
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In 10 gallon carboys and in
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Chemicals

CAFFEINE ALK., USP 5 lb cans..lb	4.00	: 4.25
Second Hands	lb	... : 3.90
Hydrochloride, 1 lb bot.....lb	7.12	: 7.52
Sulfate, 1 lb bot.....lb	...	: 5.50
Citrate, 25 lb cans.....lb	3.00	: 3.10
Hydrobromide, 1 lb bot.....lb	...	: 4.75
CALCIUM Acetate, 150 lb bags, c/l		
100 lb .....	...	: 4.00
Arsenate, 100 lb blks, c/l wks..lb	.13	: .15
Bhls, le/l wks.....lb	15%	: .18
Bromide, 100 lb	lb	... : .44
Carbide, 220 lb dr. c/l wks..lb	...	: .04%
Drums, le/l wks.....lb	...	: .05
Carbonate, tech. 100 lb bags c/l		
100 lb	1.00	: 1.10
USP, precip. 175 lb bbls..lb	...	: .04
Chloride, solid, 650 lb drs. c/l f.o.b. NY .....ton	...	: 24.50
Imp. ....ton	18.00	: 20.00
Gran., 350 lb drs. c/l f.o.b. NY	ton	: 30.50
Flake 330 lb drs. c/l drs. f.o.b. NY	ton	: 38.50
Anhyd., 350 lb drs. f.o.b. NY..lb	.13	: .20
Glycerophosphate, 250 lb bbls..lb	1.50	: 1.60
Hydrate, (see Lime)		
Hypophosphite, USP, 25 lb cans..lb	.60	: .65
Iodide, 5 lb bot.....lb	...	: 4.35
Lactate, tech. 500 lb bbls....lb	...	: 13%
U.S.P. ....lb	1.50	: .60
Nitrate, 220 lb bbls, c/l NY..ton	...	: 40.00
Phosphate, tech. 350 lb bbls..lb	.09	: .10
Phosphate, precip. tribasic 200 lb bbls, wks.....lb	.10	: .11
Phosphate, mono. ....lb	.07	: .09
Sulfocarbonate, 100 lb kegs....lb	.55	: .57
Calomel, see Mercury		
CAMPHOR, Amer. ref. 250 lb bbls	lb	... : .93
2½ lb slabs, 100 lb cs..lb	...	: .94
1 lb cakes, 100 lb cs..lb	...	: .94%
1 oz. tab., 1 lb ctms.		
100 lb cs.....lb	...	: .98%
½ oz. tab., 1 lb ctms.		
100 lb cs.....lb	...	: .99
Jap. ref. 2½ lb slabs, 100 lb cs.....lb	...	: .86
1 oz. tab., 100 lb cs. 1 lb time	lb	... : 1.01
½ oz. tab., 100 lb cs. 1 lb time	lb	... : 1.03
Chinese ref. 2½ lb slabs 100 lb cs.....lb	...	: .90
Crude, 100 lb cs.....lb	.72	: .73
Camphor, Monotropin, 100 lb cs..lb	1.75	: 1.85
Caramel, 50 gal. bbls.....gal	.60	: .62
Carbasol, 250 lb bbls.....lb	.75	: .80
Carbon Bisulfide, 500 lb dr. le/l NY..lb	...	: .06%
e/l drums, NY.....lb	...	: .06
Carbon Black, 12½ lb bags, wks..lb	.11	: .15
Carbon Tetrachloride, 1400 lb drs. NY	lb	... : .10%
Drums, e/l NY.....lb	.09	: .09%
700 lb drs. single NY.....lb	...	: .10%
Carmine, No. 40 5 lb boxes..lb	4.75	: 4.85
Casein, edib., 100 lb kg.....lb	.40	: .45
Technical, 200 lb bbls.....lb	.12%	: .14%
Castoreum, 1 lb boxes.....lb	4.00	: 4.50
Castor Oil, USP 50 gal. bbls..lb	...	: .14
Cases, 80 lb 2 tins.....lb	...	: .15
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases..lb	1.75	: 2.00
Cerium Oxalate, USP 100 lb kgs..lb	...	: .43
Chalk, drop 175 lb bbls.....lb	...	: .03%
Precip. light 250 lb cans.....lb	...	: .04%
Precip. heavy 500 lb cans.....lb	...	: .05%
Bulk	ton	: 5.00 : 5.00
Precip. English, 7½ lb bags.....lb	...	: .07%
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl.....lb	.04	: .05
Willow, powd. 100 lb bbl.....lb	.06	: .07
China Clay, Dom., crude.....ton	6.00	: 5.00
Washed & Ground	ton	: 7.50 : 12.00
Imp., Filler Clay	ton	: 14.50 : 16.00
Coating	ton	: 25.00
Chloral Hydrate, USP 100 lb drs..lb	.70	: .75
25 lb jars	lb	: .73 : .80
Chinonidin, 140 lb drs.....lb	...	: .55
Chloramine-T, 5 lb bot.....lb	1.25	: 2.50
Chloroacane, 5 lb bot.....lb	.55	: .75
Chlorhydrin, Ethylene anhyd., 600 lb drys.....lb	...	: .75 : .85
40% soln., 100 lb chys.....lb	...	: .25 : .30
CHLORINE, Liquid 2000 lb cyl. e/l wks.....lb	...	: .05%
Tank car lots, wks. Contract..lb	...	: .03
100 lb cyl. e/l wks.....lb	...	: .05% : .06
100 lb cyl. le/l wks.....lb	.06	: .07
100 lb cyl. le/l, ex-warehouse..lb	.06	: .08
Chlorobenzene, mono. 1000 lb drs. wks.....lb	...	: .11 : .12
Drs. e/l wks.....lb	...	: .10 : .11
Tank car lots wks.....lb	...	: .09
CHLOROFORM, USP 50 lb drs..lb	...	: .85
Second Hands, 650 lb drs..lb	.32	: .33
Technical, 650 lb drams.....lb	.32	: .33
Chromium Acetate, 20° soln. 400 lb bbls.....lb	...	: .08 : .10
Fluoride, Powd. 400 lb bbls..lb	...	: .80
Soln. 400 lb bbls.....lb	...	: ...
Sulfate, 400 lb bbls.....lb	.07	: .09
Chrysocobalt, USP, 5 lb cans....lb	2.00	: 2.15
Cinchonidin alk., p.wd. 100 oz. tinsos	...	: .70
Crystal	oz	: .75
Sulfate, 100 oz. tins	oz	: .50

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Chemicals

Cinchonidin alk., p.wd. 100 oz. tins...os	... : .70	COPPER, metal electrolytic c/l	
Crystal .....os	... : .43	NY .....100 lb 13.00 : 13.25	
Sulfate, 100 oz. tins...os	... : .35	Lake, c/l NY .....100 lb 13.25 : 13.37	
Citrine Ointment, see Mercury		Casting, c/l NY .....100 lb ... : 12.75	
Coal Tar, Tins. & bbls., wks....gal	.06 : .08	Carbonate, 400 lb bbls.....lb .17 : .17 1/2	
Cobalt metal, 100 lb kegs....lb	2.75 : 2.85	Chloride, 250 lb bbls.....lb ... : .28	
Cobalt Oxide, 500 lb bbls....lb	... : 2.10	Cyanide, 100 lb drs.....lb .46 : .50	
10 lb tins, 200 lb cases....lb	... : 2.35	Iodide, 5 lb bot.....lb ... : 5.65	
COCAINE alk., USP, 1 oz. vials...os	... : 10.00	Oxide, red 1000 lb bbls. ton lots...lb .17 : .18	
Hydrochloride, USP—1 oz. vials, 25 oz. ....os	... : 7.07	Sub-Acetate, verd. 440 lb bbls....lb .23 : .28	
In 1/2 oz. vials....os	... : 7.50	SULFATE, cry. 450 lb bbls. 1/2 spot .....100 lb 4.80 : 5.00	
In crystals, granular, powder, or fatty crystals as desired.		Carrots, bbls.f.o.b. NY.100 lb 4.60 : 4.70	
Cocoa Butter, bulk, 200 lb bales....lb	.26 : .26 1/2	Carrots, bbls. delivered.100 lb 4.95 : 5.25	
Fingers, cakes, etc. 12D hrs....lb	.34 : .35	Imp. 550 lb cans....100 lb 4.50 : 5.00	
CODEIN alk., 1 oz. vials. 10 oz. lots....os	... : 8.62	Powdered, 350 lb 5 bbls....lb 5.75 : 6.00	
Hydrobromide, 1 oz. vials. 10 oz. lots....os	... : 6.92	Coppers, bulk c/l wks. ....ton 17.00 : 18.00	
Hydrochloride, 1 oz. vials. 10 oz. lots....os	... : 7.77	400 lb bbls. ....ton 22.00 : 23.00	
Nitrate, 1 oz. vials. 10 oz. lots...os	... : 7.77	200 lb bgs. c/l wks. ....ton 20.00 : 21.00	
Phosphate, 1 oz. vials. 10 oz. lots....os	... : 6.47	Powdered, bbls. ....100 lb 1.90 : 2.00	
Salicylate, 1 oz. vials. 10 oz. lots....os	... : 6.47	Sugar, 400 lb bbls....100 lb 1.50 : 1.75	
Sulfate, 1 oz. vials. 10 oz. lots...os	... : 6.92	Corn Syrup, 42 deg. 50 gal. bbls. ....100 lb ... : 3.36	
Small Sizes, 1/2 oz. vials, 50c extra, 1/4 oz. 25c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 oz. 15c oz. higher than above.		43 deg. 50 gal. bbls. ....100 lb ... : 3.41	
COD LIVER OIL, Norwegian, 30 gal. bbls. ....bbl 24.00 : 25.00		45 deg. 50 gal. bbls. ....100 lb ... : 3.48	
Newfoundland, 30 gal. bbls....bbl	... : ...	Corrodine Sublimate, see Mercury Bichloride	
Colchicine alk., USP 1 oz. vial...os	... : 30.00	Cotton Soluble, 100 lb bbls. wet. lb .40 : .42	
Salicylate, 1 oz. vials....os	... : 45.00	Coumarin, 25 lb tins....lb 4.50 : 4.65	
Collodion USP 30 lb drums....lb	... : .22	Second Hande .....lb ... : 4.45	
Ethy Benzyl Aniline, 300 lb drs....lb	... : 1.30	CREAM TARTAR, USP, 300 lb bbls. ....lb ... : 25 1/2	
		Imp. powd. USP, 224 bbls....lb 23 1/2 : .34	
		Creosote, USP, 42D shs....lb .40 : .42	
		Carbonate, 1 lb bot. 25 lb ....lb 1.80 : 2.00	
		Creosote, 50 gal. drs....gal .20 : .22	
		Cresol, USP 400 lb drums....lb .24 : .29	
		Cyanamide, bulk c/l wks. Amm. unit .25 : .25	
		DIAMINOPHENOL, 100 lb kegs....lb ... : 3.80	
		Dianisidine, 100 lb kegs....lb ... : 4.60	
		Dichlorobenzene, 1000 lb drs....lb .06 : .07	
		Diethylaniline, 850 lb drs....lb .45 : .55	
		Diethyl Phthalate, 25 lb cans....lb .55 : .65	
		1000 lb drs....lb .45 : .50	
		Diethyl Sulfate tech. 50 gal drs....lb .20 : .25	
		CP drums .....lb .40 : .50	
		Digitalin, Pure, 1 oz. vial....os 10.00 : 10.25	
		Dimethylaniline, 840 lb drs. wks....lb .38 : .40	
		Dimethylsulfate, 100 lb drs....lb ... : .50	
		Dinitrobenzene, 400 lb bbls....lb .19 : .20	
		Dinitrochlorobenzene, 400 lb bbls....lb .19 : .20	
		Dinitronaphthalene, 350 lb bbls....lb .32 : .34	
		Dinitrophenol, 350 lb bbls....lb ... : .40	
		Dinitrotoluene, 300 lb bbls....lb .19 : .20	
		Dionin, see Morphine, Ethyl	
		Diphenylamine, 250 lb bbls....lb .48 : .50	
		Diphenylguanidine, 170 lb bbls....lb 1.10 : 1.15	
		Dover's Powder, USP 5 lb tins....lb 2.20 : 2.30	
		Duboisine Sulfate, 1 oz. vial....os ... : 55.00	
		EARTH, Diatomaceous, see Kieselguhr	
		Emetine, alk., 15 gr. vials....os ... : 1.85	
		Hyd chloride, USP 1 oz. vial....os 18.00 : 19.00	
		15 gr. vials....os ... : .82	
		EPSON SALT, tech. 300 lb bbls. NY .....100 lb ... : 2.15	
		Bbls. c/l NY .....100 lb ... : 2.00	
		100 lb bgs. c/l NY .....100 lb ... : 1.80	
		Imp. 220 lb bgs. c/l NY .....100 lb 1.00 : 1.10	
		USP, 300 lb bbls. 10 bbls. 100 lb ... : 2.50	
		Carrots, bbls. ....100 lb 2.10 : 2.15	
		Imported, 400 lb bbls. 100 lb ... : 2.00	
		100 lb kegs .....100 lb 2.25 : 2.50	
		Ergotin, Bonjean, 1 lb jars....lb 6.00 : 6.35	
		Eserine alk., 1 oz. vials....os ... : 30.00	
		Salicylate, USP 1 oz. vials....os ... : 22.00	
		Sulfate, USP VIII, 1 oz. vials....os ... : 17.00	
		ETHER, USP 55 lb drums....lb ... : .18	
		Anesthetia, 55 lb drums....lb ... : .16	
		USP, 1880 55 lb drums....lb ... : .35	
		Washed, 55 lb drums....lb ... : .30	
		Motor, 1 lb canslb .24 : .27	
		Ether, Nitrous, 1 lb bot....lb .92 : .95	
		Ethy Benzyl Aniline, 300 lb drs....lb ... : 1.30	

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Ethyl Acetate, 99%, 50 gal. drs. gal	1.25	: 1.28
85-90% Ester, 50 gal. drs. gal	...	: 1.18
Carrots, drums	...	: 1.10
Tanks Cars	...	: 1.05
Refined, drums	1.87	: 2.00
Bromide 115 lb drs.	lb	: .40
Chloride, 15 lb cyl.	lb	: .35
Methyl Ketone, 50 gal. drums. lb	.25	: .25%
Morphine, see Morphine, Ethyl		
Ethylene Bromide, 600 lb drs.	lb	: .60
Glycol	lb	: .65
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	: .85
40% Solution, 50 gal. bbls. lb	.25	: .30
Dichloride, 50 gal. drs. lb	.20	: .25
Ethyldenebenzene	lb	: .70
Eucalyptol, 25 lb cans.	lb	: .80
Feldspar, bulk	ton 20.00	: 25.00
FERRIC CHLORIDE, tech. crys.		
475 lb bbls.	lb	: .08
Imported	...	: .07%
USP, crys. 100 lb kegs.	lb	: .09
Imported	...	: .08
Neut. Sol'n 40° 140 lb drs.	lb	: .06%
48°, 140 drs.	lb	: .08
USP Sol'n 125 lb drs.	lb	: .08%
Ferrous Chloride, crys. tech.		
475 lb bbls.	lb	: .08 : .06%
Ferrous Sulfide, 1000 lb bbls. 100 lb	2.50	: 3.00
Flake White, see lead, white		
Fluor spar, 95% 220 lb bgs. ex dock	ton	: 25.00
96% bgs.	ton	: 33.56
98% bgs.	ton	: 35.00
FORMALDEHYDE, USP 400 lb bbls.		
c/l wks.	lb	: .10%
Carboys, 100 lb c/l wks.	lb	: .11% : .12%
Bbls., 400 lb c/l wks.	lb	: .11% : .11%
Second Hands	lb	: .10%
Fusil Flour	lb	: .04
Formanilide	lb	: .50
Fuller's Earth, 200 lb bags. c/l mines	ton 15.00	: 17.00
Imported, 230 lb bags NY	ton 35.00	: 40.00
Fusel Oil, refined, 100 gal. drn. gal	...	: ...
Crude, 100 gal. drum...gal	...	: 4.30
G SALT, paste 350 lb bbls. basis 100%	lb	: .60 : .65
Gelatin, USP silver bbls. 100 lb ca. b	...	: .85 : .90
Gold Label, 100 lb cases	lb	...
Technical, 100 lb ca. b	lb	: .60 : .65
GLAUBER'S SALT, tech. 200 lb bags		
le/ci wks.	...	: 100 lb
350 lb bbls. c/l wks.	...	: 100 lb
Bbls. le/ci wks.	...	: 100 lb
Imported, bbls. spot	...	: 100 lb
USP, 300 lb bbls. Imp. sp.	100 lb	: .85 : .90
USP, 300 lb bbls. dom. sp.	100 lb	: ... : 1.25
Calcin'd, see Sodium Sulfate		
Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY	100 lb	: 3.26
Syrup, Drs. & bbls. c/l NY 100 lb	...	: 3.36 : 3.55
le/ci NY	...	: 100 lb
GLUE, pure white, bbls.		
Medium white, bbls.	lb	: .30 : .35
French, bbls.	lb	: .25 : .30
High Grade, bbls.	lb	: .15 : .25
Bone, regular, bbls.	lb	: .35 : .40
Fish, bbls.	lb	: .10 : .15
GLYCERIN, C. P. 550 lb drums.		
Cans, 50 lb	lb	: 1.50 : 1.75
Dynamite, 100 lb drs.	lb	: .15% : .17
Saponification, tanks	lb	: .18% : .18%
Soap, Lye tanks	lb	: .12% : .12%
Goa Powder, see chrysarobin		
Granite, crude 220 lb bags...ton	15.00	: 35.00
Flake, 500 lb bbls.	lb	: .05 : .09
Ground, lump, bbls.	lb	: .04 : .05
Guaiacol liquid, USP, 25 lb cans. lb	2.45	: 2.60
Benzoate, 1 lb bot.	lb	: 18.00
Carbonate, 5 lb boxes	lb	: 4.80 : 5.00
HAARLEM OIL, Dom. 6 gr. ca gross		: 3.50
Imported, 5 gr. cases	gross	: 5.15 : 5.25
Halazone, 5 lb bot.	lb	: 2.75 : 3.25
Hexamethylenetetramine, USP		
100 lb drums	lb	: .75 : .77 1/2
Imported	lb	: .68 : .70
Rubber Makers, Impalp. Pd. drs.	lb	: .82% : .85
Homatropine Hydrochlor. USP 1 oz. vial		
Five oz., 1 oz. vials	...	: 16.00
Hydrastine Alk., USP, 1 oz. vials	...	: 15.00
Hydichloride, USP, 1 oz. vials	...	: 20.00
Hyoscyamine Alk. Cryst. 1 oz. vials	...	: 23.00
Hydroquinone, USP 15 gr. vials	...	: 2.40
Hydrosobenzene, 100 lb kegs	lb	: 1.30 : 1.35
HYDROGEN PEROXIDE, 25 vol. 400 lb bbls.		
100 vol. 145 lb bbls.	lb	: .10 : .10
USP Soln. 375 lb bbls.	lb	: .05 : .05
100 vol. 145 lb bbls.	lb	: .35 : .35
USP bot. 4 oz. cases	...	: gross 8.00
Bot. 8 oz. cases	...	: gross 11.75
Bot. 16 oz. cases	...	: gross 12.00
Hyoscine Hydrobrom. USP 1 oz. vial	...	: 35.00
Hyoscine Hydrobrom. USP 1 oz. vials	...	: 21.00
Five oz., 1 oz. vials	...	: 20.50
Hyoscamine Alk. Cryst. 1 oz. vials	...	: 35.00
Alkaloid, Amorphous, 1 oz. vials	...	: 75.00
Hydrobromide, USP 1 oz. vials	...	: 60.00
Sulfate, 1 oz. vials	...	: 35.00
IMIDOL, C. P. 1 oz. bot.		
Iodides, see Potass. Iodide, etc.		
IODINE, crude, 200 lb kegs		
Resublimed, 10 lb jars	lb	: 3.92 : 4.01
Tincture, USP, 50 gal bbls. gal	4.25	: 4.35
Carboys	lb	: 4.45 : 4.55
Iodoform, powd. 10 lb bot.	lb	: 6.00
Crystals, 10 lb bot.	lb	: 7.00
Iridium, metal 100 oz lots	oz	: 250.00
Iron, metal by hydrogen 1 lb bot. lb	lb	: .80 : 1.00
IRON & AMM. CITRATE, USP 25 lb cans		
Green scales, 25 lb cans	lb	: .84
Cacodylate, 10 lb bot.	lb	: 6.50 : 6.75
Citrate, USP VIII 25 lb cans	lb	: .99
Chloride, see ferric or ferrous		
Hypophosphite, 5 lb cans	lb	: 1.50 : 1.60
Syrup, USP VIII	lb	: .30
Iodide, 1 lb bot.	lb	: 4.20
Syrup, USP 5 lb bot.	lb	: .35 : .36
Nitrate, kegs	...	: .09 : .10
Com'l. bbls.	...	: 100 lb
Oxalate scales 25 lb cans	lb	: 2.75 : 3.25
Oxide red, Spanish	lb	: .85 : .88
& Ammon. Oxalate	25 lb bxs. lb	: .03 1/2 : .07 1/2
& Potassium Oxalate, 25 lb bxs. lb	4.7	: .50
& Sodium Oxalate, 25 lb bxs. lb	4.5	: .47
Phosphate, USP 25 lb cans	lb	: .41 : .43
Pyrophosphate, USP 25 lb cans	lb	: .89
...	...	: .94 : .96



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Chemicals

JALAP RESIN, lmp 5lb tins..	lb	3.35	: 3.35
Powd. tins	lb	3.40	: 3.50
KIESELOUGH, 90lb bags NY...ton	60.00	: 70.00	
LANGOLIN, see Adeps Lanas			
LEAD, metal c/l NY.....	100 lb	...	: 8.25
Acetate, white crystals 500 lb bbls. wks.	lb	...	: .14
100 to 250 lb kgs. wks.	lb	...	: .14%
White, broken, bbls. wks. 100 lb	...	13.40	
White, gran. bbls. wks. 100 lb	...	13.65	
White, powd., bbls. wks.	lb	...	: .14%
Kegs. wks.	lb	...	: .15%
Brown, broken, bbls. wks.	lb	...	: .12%
USP, 100 lb kegs.	lb	...	: .17
Arsenate, 100 lb bbls. le/l wks.	lb	.20	: .25
Bbls. c/l wks.	lb	...	: .19%
Paste, 600lb bbls.	lb	...	: .13
Iodide, USP VIII 5lb bot....	lb	3.20	: 3.40
Nitrate, 500 lb bbls. wks.	lb	...	: .23
Oxide, lithg. 500 lb bbls. 100lb	10.90	: 11.15	
100 lb kegs. wks.	lb	...	: .14%
Oxide, red 500 lb bbls. wks.	lb	11.40	: 11.65
100 lb kegs. wks.	lb	...	: .14%
Peroxide, 100 lb drs.	lb	...	: .26
White, basic carb. 500 lb bbls. wks.	lb	.09%	: .10
Bbls. c/l wks.	100 lb	...	: .09%
100 lb kegs. wks.	lb	...	: .14%
White, sulfate 500 lb bbls. wks.	lb	.09%	: .09%
Bbls. c/l wks.	100 lb	...	: .23
Licorice Ext. Mass. cases....	lb	.25	: .26
Compound powder, bbls.	lb	.11	: .13
Powdered ...	lb	.38	: .40
Sticks, 1 oz. 100 lb cases....	lb	.45	: .50
LIME (Salts see Calcium Salts)			
Live, 225lb bbls. ton lots, wks.	lb	...	: .01%
Single bbl. wks.	lb	...	: .01%
Hydrated, 167lb bbl. ton lots, wks.	lb	...	: .01%
Single bbl. wks.	lb	...	: .01%
Oyster Shell, 150lb bbl. single.	lb	...	: .03%
125lb bag.	lb	...	: .03%
Sulfur, dry 200lb drs. NY....	lb	.08	: .16
Drs. c/l NY....	lb	...	: .16%
33° Soln. 50 gal. bbls. NY.gal	lb	.18	: .16
Linalool, 5lb bot.....	lb	5.50	: 6.50
Litharge, see lead oxide			
Lithium Carb. USP, 100lb bags.	lb	1.50	: 1.60
Bromide, 100lb cans.	lb	1.75	: 1.85
Citrate, USP 100lb bags.	lb	1.70	: 1.75
Iodide, 5lb bot.....	lb	...	: 5.40
Lithopone, 400lb bbls. le/l wks.	lb	...	: .07%
Bbls. c/l wks.	lb	...	: .06%
Bags, c/l wks.	lb	...	: .06%
Imported, 400lb bbls.	lb	.06	: .06%
Lithium Cubes.....	lb	.90	: 1.00
MAGNESITE, crude	ton	...	: 15.00
Calcined, 500lb bbls.	ton	...	: 55.00
Magnesium mtl. sticks 100lb ex.	lb	1.25	: 1.30
Carb. tech 70lb bags NY....	lb	.08	: .08%
75lb bbls. NY....	lb	...	: .08%
USP, 60lb bbls.	lb	.10	: .11
USP, blocks 100lb ex. 1, 2, 4 cm.	lb	.19	: .23
Chloride, fused 575lb drs. a/l wks.	ton	...	: 34.00
Flaiked, 350lb drs. wks./Lton	ton	...	: 38.00
Fused, 900lb bbls. NY.ton	26.00	: 28.00	
Fluorite, crystals 400lb bbls. wks.	lb	...	: .12
30% soln. 500lb bbls. wks.	lb	.07	: .07%
Soln. bbls. c/l wks.	lb	...	: .06
Glycerophosphate, 5lb tins....	lb	...	: 3.15
Hypophosphite, 5lb cans....	lb	...	: 1.15
Oxide, USP light 100lb bbls.	lb	...	: .42
USP, heavy 250lb bbls.	lb	...	: .50
Peroxide, 5lb cans....	lb	...	: 2.15
Perborate, 1lb tins....	lb	...	: 2.25
Salicylate, 100lb bags....	lb	...	: .67
Sulfate, see Epsom Salts			
Manganese Chloride, 600lb ex. NY.....	lb	.09%	: .10
Borate, 30% 200lb bbls....	lb	...	: .24
100lb bags	lb	...	: .25
Dioxide, 80-84% 900lb bbls. NY.....	ton	86.00	: 85.00
85-90% 900lb bbls. NY.ton	85.00	: 90.00	
Hydrated, precip. 100lb kgs.	lb	.32	: .35
Manganese—(continued)			
Glyceroephosphate, 5lb tins....	lb	...	: 2.85
Hypoph. USP VIII 5lb cans.	lb	...	: 1.85
Iodide, 1lb bot.....	lb	...	: 6.40
Ore, bulk NY.....	unit	.40	: .45
Sulfate, 600lb cans. NY....	lb	.10	: .11
Muriatic Flour, bulk.....ton	ton	10.00	: 12.00
See also Calcium Carbonate			
MENTHOL, USP, 60lb cans.	lb	...	: 10.25
Less cases, 5lb tins....	lb	...	: 10.75
MERCURY, metal 75lb flask. flask	60.00	: 61.00	
Less Flasks, 5lb jugs....	lb	1.02	: 1.04
Bichloride, cryst. 25lb bags....	lb	...	: 1.17
Gran. powd., 200lb bags....	lb	...	: 1.02
Biniflate, 25lb boxes....	lb	...	: .88
Blue Mass, 25lb boxes....	lb	...	: .82
Powdered, 25lb boxes....	lb	...	: .84
Blue Ointment, USP 25lb cans 50%	lb	...	: .77
USP, dilute 25lb cans 30%	lb	...	: .57
33 1/3% Mercury	lb	...	: .67
Calomel, 50lb bags....	lb	...	: 1.35
Citrine Ointment 25lb jars....	lb	...	: .50
Iodide, green 25lb jars....	lb	...	: 4.00
Red, USP 25lb jars....	lb	...	: 4.10
Yellow, USP VIII 25lb jars.	lb	...	: 4.00
Red Precip. USP 25lb bags....	lb	...	: 1.35
Powder, USP 25lb bags....	lb	...	: 1.18
White Precip. USP 25lb bags....	lb	...	: 1.49
Powder, USP 25lb bags....	lb	...	: 1.54
With chalk, USP 25lb bags....	lb	...	: .82
Meta-Nitraniline	lb	.78	: .80
Meta-Nitro-para-Toluidine, 300lb bbls.	lb	...	: 3.20
Meta-Phenylenediamine, 300lb bbls.	lb	.95	: .98
Meta-Toluenediamine, 300lb bbls.	lb	.88	: .80

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Drums, le/l	gal.	.88	.90	
97%, tanks	gal.88	
Drums, c/l	gal.90	
Drums, le/l	gal.93	
Pure, Acetone free, tins	gal.90	
Drums, c/l	gal.	...	.92	
Drums, le/l	gal.	...	.95	
Bbls. incl. 5¢ higher				
Methyl Acetone, 100 gal drums, gal	1.17	: 1.20		
Tank cars	gal.	...	1.15	
Chloride, 90 lb cyl.	lb	...	.50	
Salicylate, USP, 50 lb cases	lb	...	.47	
500 lb drums	lb	...	.45	
Second Hands, cases	lb	.43	.44	
Methylene Blue, tech, 100 lb kgs	lb	1.00	1.50	
USP, medicinal 5 lb cans	lb	2.25	2.60	
Michler's Ketone, 225 lb bbls	lb	...	3.75	
Milk, powd, 150 lb bbls	lb	14	.15	
Milk Sugar, see sugar of milk				
Mineral Oil, see oil mineral				
Mineral Rubber	ton	23.00	: 54.00	
Monochlorobenzene, see chlorobenzene				
Monochloroaniline, 900 lb drs	lb	...	1.00	
Monomethyl para-methoxybenzoate sulfate	100 lb drs	...	4.00	
MORPHINE Sulfate, USP 5 oz. tins	...			
10 oz.	...			
Acetate, 5 oz. tins 10 on lots, cs	...		6.35	
Hydrobromide, 5 oz. tins 10 on	...		6.35	
lots	...			
Hydchloride, 5 oz. tins 10 on	...		6.35	
lots	...		6.35	
Diacetyle Alk., ½ oz. vls. 10	oz.	...	10.20	
Hydchloride, ½ oz. vls. 10 on	oz.	...	9.25	
Edyl Hydchloride, ½ oz. vls. 10	oz.	...	10.45	
Small Size: ½ oz. vls. 50¢ extra;				
½ oz. 25¢ extra; single oz. vls. 7¢ ex-				
tra, over price for 5 oz. tins. 25 oz.				
lots in 5 oz. tins, 10 oz. lower than				
above schedule. Less than 10 oz. lots				
15 oz. higher than above schedule.				
Musk Ambrette, 1 lb cans	lb	14.00	: 15.00	
NAPHTHA, Solvent, 110 gal. drs.				
wks.	gal.	...	.26	: .28
5000 gal. tank cars wks. gal	lb	.21	.23	
NAPHTHALENE, Flake, 175 lb bbls.				
wks.	lb	...	.07	
Bbls. second hands NY	lb	...	.07	: .07%
Balls, 250 lb bbls. wks.	lb	...	.08	
Bbls. c/l wks.	lb	...	.07%	: .08
Bbls. second hands NY	lb	...	.08	
Crushed, chipped, bgs. wks.	lb	...	.06	
Crude, imp., bags.	lb	...	.05%	: .06
Nickel Metal, electrolyte	100 lb kegs	...	.02%	: .03
PALLADIUM, metal 10 oz. lots.	cs	75.00	: 76.00	
Pancreatin, USP 5 lb bot.	lb	1.25	: 1.40	
Parapain, 10 lb bot. USP, Powd.	lb	2.15	: 2.25	
Crude, 150 lb cases	lb	1.85	: 1.90	
Paraffin, ref'd 200 lb cs. slabs				
120-125 Deg. M. P.	lb	...	.03%	: .03%
125-130 Deg. M. P.	lb	...	.04	: .04%
130-135 Deg. M. P.	lb	...	.04	: .04%
135-140 Deg. M. P.	lb	...	.05	: .05%
Para-Aminocetanilid, 100 lb kgs.	lb	...	1.05	: 1.15
Para-Aminophenol, 100 lb kgs.	lb	1.25	: 1.30	
Hydrochloride, 100 lb kgs.	lb	1.40	: 1.50	
Para-Dichlorobenzene, 50-300 lb bbls.				
wks.	lb	...	.17	: .20
25-50 lb kegs	lb	...	.18	: .22
Paraldehyde, 100 gal drs.	lb	...		
Paraformaldehyde, USP 100 lb cs. lb	...	...
Para-Nitroacetanilid, 300 lb bbls.	lb	...	.55	: .60
PARA-NITROANILINE, 300 lb bbls.				
wks. ton	lb	...	.60	: .74
Para-Nitrochlorobenzene, 1200 lb drs.				
wks.	lb	...	.20	: .30
Para-Nitro-ortho-Toluidine, 300 lb bbls.	lb	...	2.75	: 2.85
Para-Nitrophenol, 185 lb bbls.	lb	...	.75	: .80
Para-Nitrodimethylylaniline, 120 lb bbls.	lb	...	1.25	: 1.30
Para-Nitrotoluene, 350 lb bbls.	lb	...	.55	: .60
Para-oxy-Benzaldehyde, 100 lb kegs	lb	...	1.50	: 1.60
Para-Phenetidine, 300 lb drs.	lb	...	1.55	: 1.60
Para-Phenylenediamine, 350 lb bbls.	lb	...	1.40	: 1.50
Para-Toluene-Sulfonamide, 175 lb bbls.	lb	...	.40	: .41
Para-Toluene-Sulfonchloride, 410 lb bbls. wks.	lb	...	.13	: .30
Para-Toluidine, 350 lb bbls. wks.	lb	...	.55	: .60

BETA-NAPHTHOL

DYESTUFFS AND INTERMEDIATES

CONSOLIDATED COLOR
& CHEMICAL CO.

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& CHEMICAL CO.



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Chemicals

PARIS GREEN

America Basic, 500 lb kegs...lb	.26	: .28
Kegs, 100 lb28	: .30
Kits, 56, 28, 14 lbs...lb	.31	: .33
Packages, 5 and 2 lbs...lb	.32	: .33
Packages, 1 lb, 1/2, 1/4 lb...lb	.34	: .38
Paris White, see whiting, French		
Pepin, USP 5 lb bot....lb	2.25	: 2.50
PETROLATUM, green 300 lb bbls...lb	.024	: .03
Dark Amber 300 lb bbls...lb	.034	: .04
Light Amber, 300 lb bbls...lb	.044	: .05
Cream White, USP 300 lb bbls...lb	.07	: .07 1/2
Lily White, USP, 300 lb bbls...lb	.09	: .09 1/2
Snow White, USP, 300 lb bbls...lb	.12 1/2	: .13
Phenol, see also acid carbolic		
American makers, drums wks...lb	.26	: .28
Open market, drs.....lb	.33	: .35
240 lb drs drs. wks...lb	.29	: .28
Natural 240 lb drs drs. wks...lb	...	: .26
Imported, 336 lb drs drs...lb	...	: ...
Phenoxyphthalimide, USP, 100 lb kegs.....lb	1.40	: 1.50
5 lb cans, 100 lb lots...lb	1.50	: 1.60
Phenyl-Alpha-Naphthylamide 100 lb kegs.....lb	...	: ...
Phenylethylalcohol, 1 lb bot....lb	6.75	: 8.75
Imported, 1 lb bot....lb	7.75	: 9.75
Phosgene, 100 lb cylinders.....lb	...	: 1.00
Phosphorus Oxychloride, 175 lb cyl...lb	.35	: .40
Phosphorus, red 110 lb ca. wks...lb	...	: .175
Imported, 112 lb cases...lb	...	: ...
Yellow, 110 lb ca. wks...lb	.35	: .40
Imported, 112 lb cases...lb	...	: ...
Phosphorus Trichloride, 175 lb cyl. wks.....lb	...	: .45
Phthalic Anhydride, 100 lb bbls...lb	.25	: .30
Phloacryne Hydchloride, USP 25 oz. lots, 1 oz. vials...oz	...	: 7.50
Nitrate Single sources.....oz	...	: 7.50
Alkaloid, 15 gr. vials...oz	...	: .85

Piperazine Hydrate, 1 lb bot....lb	...	: 16.00
Pitch, Coal-Tar, wks.....ton	30.00	: 33.00
Plaster Paris, tech. 250 lb bbls/bbl	...	: 3.30
True Dental, 300 bbls.....bbl	...	: 4.50
Platinum, metal soft 10 oz. lots...oz	...	: 125.00
Podophyllin, 5 lb bot.....lb	6.00	: 6.25
Second Hands.....lb	5.50	: 5.75
POTASH, CAUSTIC, solid 88-92%		
700 lb drs. wks.....lb	...	: ...
Imp., 88-92% 700 lb drs. NY...lb	.06 1/2	: .07
USP, by alcohol 5 lb cans...lb	.48	: .48
cases.....lb	.30	: .35
POTASSIUM Acetate, USP, 100 lb kegs.....lb	...	: .30
Bicarbonate, crys. 220 lb bbls...lb	.11	: .12
wks.....lb	.09 1/2	: .09 1/2
Eichromate, crys. 900 lb casks...lb	.09 1/2	: .09 1/2
Powd., 900 lb casks wks...lb	...	: .12
Binoxilate, 300 lb bbls.....lb	.28	: .30
Bisulfate, C.P., 5 lb cans...lb	...	: .30
100 lb kegs.....lb	...	: .22
Bromate, 100 lb ca.....lb	...	: .45
BROMIDE, USP, cryst. 450 lb bbls.....lb	...	: .26
Granular, 300 lb bbls...lb	...	: .26
Cases 100 lb .....lb	...	: .27
Imported, USP, 220 lb ca...lb	.16	: .17
CARBONATE, 80-85% calc.		
800 lb cks.....lb	.05 1/2	: .06
80-85%, hydrated, 800 lb cks.....lb	.05 1/2	: .05 1/2
90-95% calc. casks.....lb	.06	: .06 1/2
96-98% calc. casks.....lb	.06 1/2	: .06 1/2
99% calc. casks.....lb	.08 1/2	: .09 1/2
USP, 100 lb kegs...lb	.11	: .12
99% CP casks.....lb	.13 1/2	: .14

POTASSIUM-(Continued)

Chlorate, crv. 112 lb kgs. c/l wks.....lb	.08 1/2	: .08 1/2
Imp. 112 lb kegs NY...lb	...	: .08
Powd., 112 lb kegs wks.....lb	.08 1/2	: .09
Imp., kegs NY.....lb	...	: .07 1/2
Fyrotechnic, fine powd. NY...lb	.08	: .09
USP, fine crys. 110 lb kegs NY.....lb	.08	: .09
Citrate, USP 10 lb cans...lb	.63	: .66
Cyanide 110 lb cases.....lb	...	: .65
Glycerophosphate, 75% Soln. 25 lb tins.....lb	1.60	: 1.70
Guaiacon Sulfonate, 5 lb cans, 10 lb	1.75	: 2.00
Hypophosphite, 10 lb cans...lb	.80	: .85
Iodide, USP, 100 lb cases...lb	3.75	: 3.85
Second Hands, cases.....lb	...	: 3.65
Lactophosphate, 4 oz. bot.....oz	...	: .90
Metabisulfite, 300 lb bbls...lb	...	: .23
Imp., 300 lb bbls...lb	.13	: .15
Muriate, 80%, 200 lb bags, NY K ₂ O unit.....lb	...	: .68
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs...lb	.40	: .45
Perchlorate, 112 lb kegs...lb	.09	: .10
PERMANGAN, USP, crys. 500 lb drs., wks.....lb	.15 1/2	: .16
Imp. 112 lb drs...lb	.14 1/2	: .17
Prussiate, red, 100 lb bbls...lb	...	: .52
500 lb casks.....lb	...	: .50
Prussiate, yellow, 500 lb casks...lb	.23	: .24
Salicylate, 25 lb cans.....lb	...	: .75
Sulfate, 200 lb bags, NY K ₂ O unit	...	: .94
USP. VIII, 100 lb kegs...lb	.15	: .18
Sulfocyanide, CP 25 lb jars...lb	...	: .50
Tartrate, neutral, 100 lb kegs...lb	...	: .58
Titanium Oxalate 200 lb bbls...lb	.28	: .30

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THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

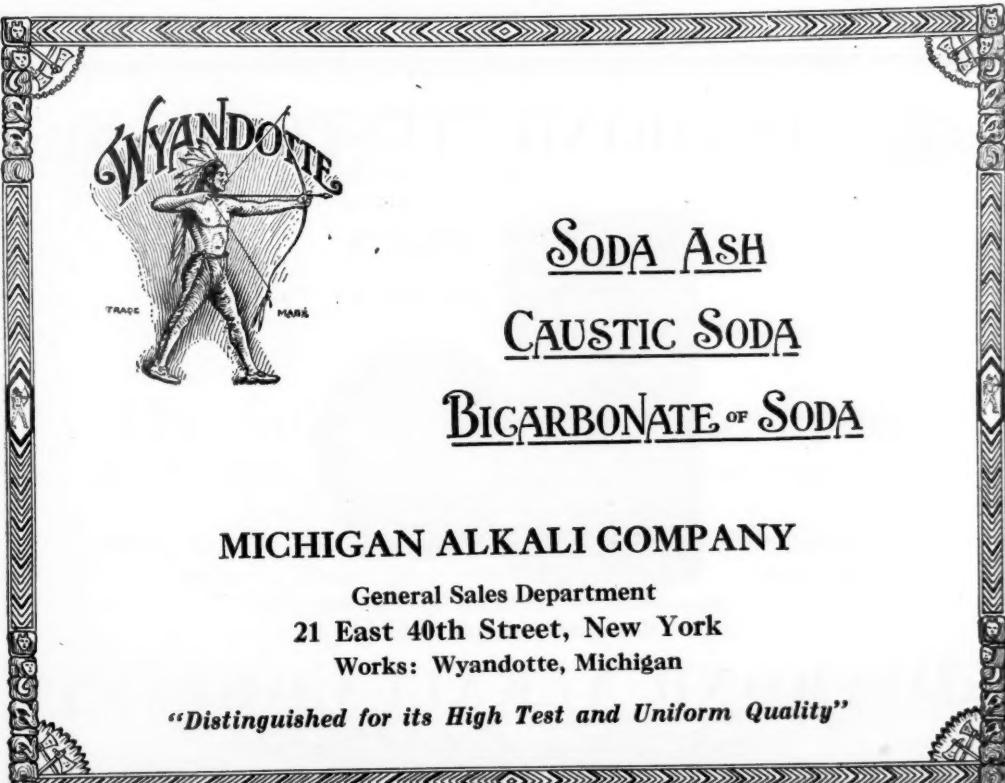
QUININE—(continued)						
Pumice Stone, Lump, 250 lb bbls. lb	.04 1/2	.06	Tartrate	...: .88	Santonin USP, 1 lb bot.	148.00 : 152.00
Lump, bags	.03 1/2	.05	Valerate	...: .89	Powd. 1 lb bot.	... : ...
Powdered, 350 lb bbls.	.02 1/2	.03	Small Sizes: 100 vials or cans,	...: .89	Saponin, ex Quillaja, 5 lb tins	1.00 : 1.25
Pyridine, 50 gal drums.....gal	4.00	: 4.25	50oz. lots, 5c on extra; 50 cans,	...: .89	Satin White, 500 lb bbls.	... : .01 1/2
QUICKSILVER, see Mercury			50oz lots, 3c on extra; 250 cans,	...: .89	Schaeffer's Salt, 250 lb bbls. wks. lb	.60 : .65
Quinidine Alk., 100oz tins.....oz		: .75	50oz lots, 2c on extra; single 100	...: .89	Scopolamine, see hyoscine.	
Sulfate, 100oz tins.....oz		: .80	vials or cans, 5c extra. All minor	...: .89	Seidlitz Mixture, 225 lb bbls....lb	.17 : .18
Quinodine, see Chinodin			quinidine salts sold and quoted basis	...: .89	SILICA	
QUININE SULFATE, USP,			100oz lots in 100oz cans. Sulfate	...: .89	Crude, bulk, mts.....ton	10.00 : 12.00
American, 100oz tins.....oz		: .50	and bisulfite sold basis 100oz	...: .89	Refined, floated, bags.....ton	18.00 : 30.00
1oz tins, 100oz lots.....oz		: .57	lots in 100oz cans. Smaller orders	...: .89	Air floated, bags.....ton	32.00 : 50.00
Dutch, 100oz tins.....oz		: .50	or containers extra as above	...: .89	Extra floated, bags.....ton	55.00 : 65.00
Java, 100oz tins.....oz		: .50	schedule.	...: .89		
Japanese, 100oz tins.....oz		: .50	R SALT, 250 lb bbls. wks....lb	.55 : .70	SILVER, metal, American.....oz	... : .99 %
QUININE ALK., USP, 100oz tins.oz		: .67	Red Lead, see lead oxide	...: .99 %		
Acetate	...: .88		Red Precipitate, see mercury	...: .99 %		
Arenate	...: .88		Resorcin, see resorcinol.	...: .99 %		
Benzoate	...: .88		Resorcinol tech, 100 lb kegs....lb	1.35 : 1.50		
Bisulfate, USP	...: .50		USP, 25 lb cans	2.25 : 2.35		
Citrate	...: .62		Rochelle Salt, USP, 225 lb bbls....lb	.20 : .21		
Dihydchloride, USP	...: .66		Imp. USP, 300 lb bbls....lb	.19 1/2 : .20		
Dihybrormide	...: .66		Rosewater, triple, 5gal. demis.....gal	.90 : 1.10		
Dicarbonate, 100oz tins.....oz		: 2.50	Rotten Stone, lump imp. bbls....lb	.07 : .08		
Ethyl Carbonate, 16oz. tins.....oz		: .95	Lump selected, bbls....lb	.09 : .12		
Ferrocyanide	...: .88		Powdered, bbls....lb	.02 : .05		
Formate	...: .55		Domestic, bags, mines.....ton	24.00 : 30.00		
Glycerophosphate	...: .88		SACCHARIN, USP, 1 lb cans, 25 lb			
Hydroiodide	...: .88		bbls. ....lb	1.90 : 2.10		
Hydrobromide, USP	...: .62		Soluble, USP, 1 lb cans, 25 lb. lb	1.90 : 2.10		
Hydrochloride, USP	...: .62		Sal Ammoniac, see Ammon. Chloride			
Hydrochlorosulfate	...: .66		Salicin, USP, 1 lb cartons, 25 lb. lb	5.00 : 5.25		
Hydchloride & Urea, USP	...: .88		Salt, USP, 100 lb drums....lb	.80 : .85		
Hypophosphite	...: .33		Salt, Common, see sodium chloride			
Lactate	...: .78		Salt Cake, c/l f.o.b. wks.....ton	21.00 : 25.00		
Phenoisulfonate	...: .88		SALT PETRE, Double Refined			
Phosphate	...: .74		Granular, 400-500 lb bbls.			
Salicylate, USP	...: .63		c/l wks....lb	... : .06 1/2		
Tannate, USP	...: .45		Less c/l works, bbls....lb	... : .08 1/2		
			Large Crystals, 350-400 lb bbls.			
			c/l wks....lb	... : .08		
			Small Crystals, 350-400 lb bbls.			
			c/l wks....lb	... : .07 1/2		
			Powdered, bbls. c/l wks....lb	... : .07 1/2		
			Imported, 500 lb bbls., NY. lb	... : .07		

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[JANUARY 2, 1924]

Chemicals

SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks.	100 lb.	... : .810
Prompt and spot, Basis 76% c/l wks.	100 lb.	... : .820
Contract 74% low grade c/l wks. flat	100 lb.	... : .802
Ground & flake, 76% pump and pot, wks c/l drs.	100 lb.	... : .860
Contract, 76% drums, c/l wks flat	100 lb.	... : .850
76% drs. ex-warehouse NY 100 lb.	... : .496	
USP, stick, 100 lb. cans...	.19	: .21
Pure, stick, by alcohol...	lb.	.35 : .37

SODIUM ACETATE, cry. 450 lb. bbls.

Wks.	... : .04%	.05
Ton lots, bbls, wks...	... : .04%	
Imp. 500 lb. cans...	... : ...	
Aluminum Sulfate, see alum. soda.		
Bromate, USP, 100 lb. bbls...	.65	: .68
Bicarbonate, 400 lb. bbls NY 100 lb.	... : .23	
Bbls, c/l wks...	100 lb.	: .200
112 lb. kegs wks...	100 lb.	: .235
112 lb. kegs, NY...	100 lb.	: .250
Bichromate, 600 lb. cans wks...	lb.	: .08
Casus, c/l wks...	... : .073%	.07%
Casus, NY...	lb.	: .073%
Bisulfite, dry powder, 500 lb. bbls, wks...	... : .04%	
Solution, 32-40%, 500 lb. bbls wks...	100 lb.	: 1.25
Bromate, 100 lb. cs...	lb.	: .95
Bromide, USP, 450 lb. bbls...	lb.	: .24
Cases, 100 lb...	... : .25	
Imp. USP, 112 lb. cs...	lb.	: .18
Cocodylate, USP, 5 lb. bot, 25 lb...	... : .04	
Carbonate, sal soda, 350 lb. bbls c/l NY...	100 lb.	: 1.30
Works c/l...	100 lb.	: 1.10
Monohydrate, 400 lb. bbls, 16/l...	100 lb.	... : .245
Pure photographic, 100 lb. keg...	... : .08	: .09

SODIUM—(Continued)

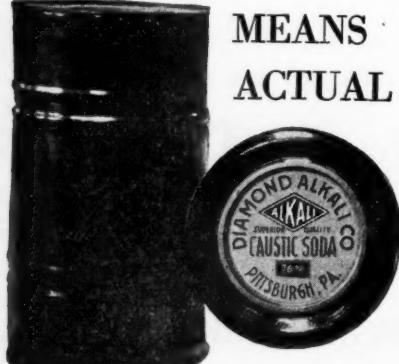
Chlorate, 112 lb. kegs, wks...	lb.	.06% : .06%
Imported, 112 lb. kegs...	lb.	... : .08%
Chloride, tech. 200 lb. bags...	ton	12.00 : 13.00
C. P. 300 lb. bbls...	lb.	.05 : .06
Citrate, USP, IX, 100 lb. kegs, lb.	... : .62	
USP, VIII, 100 lb. kegs...	lb.	... : .55
Cyanide, 98-98%, 100 lb. cases wks...	lb.	... : .23
Ton lots, wks...	lb.	... : .23
73-75%, 100 lb. cases, wks, lb.	... : .20%	
125-125%, 200 lb. cs...	lb.	... : .20
120-125%, 200 lb. cs...	lb.	... : .19%
Fluoride, 350 lb. bbls, NY imp. lb.	.09 : .09%	
Glycerophos., USP, cry. 25 lb. cans...	lb.	1.65 : 1.75
Powder, 25 lb. tins...	lb.	1.70 : 1.80
Solution, USP 25 lb. tins...	lb.	1.00 : 1.05
Hydroxide, see Soda Caustic		
Hypochlorite, Soln, 100 lb. cans, lb.	... : .05	
14½% soln, 100 lb. cans...	lb.	... : .04
Hydroxylite, 200 lb. bbls, (ob, wks, lb.)	.22 : .24	
Hypophosphite, USP, 25 lb. cans...	lb.	.70 : .75
WYPOSULFITE, tech. pea crys., 375 lb. bbls, wks...	100 lb.	2.90 : 3.30
Bbls, c/l wks...	100 lb.	... : .75
100 lb. kegs wks...	100 lb.	3.00 : 3.60
Imp.	100 lb.	... : .28
Granulated, bbls, wks...	100 lb.	3.15 : 3.55
Bbls, c/l wks...	100 lb.	3.25 : 3.85
Kegs wks...	100 lb.	2.65 : 2.90
Regular crystals...	100 lb.	3.25 : 3.85
Iodide, USP, 25 lb. jars...	lb.	4.25 : 4.30
Mesilate, 150 lb. bbls...	lb.	.55 : .60
Naphthionate, 300 lb. bbls...	lb.	.60 : .62
Nitrate, crude, 95%, 200 lb. bags, c/l NY...	100 lb.	... : 2.52
Futures, NY...	100 lb.	2.52 : 2.55
Double refined, 400 lb. bbls...	lb.	... : .04%
gran, c/l wks...	lb.	... : .04%
Nitrite, 500 lb. bbls, wks...	lb.	.073% : .07%
Bbls, spot makers...	lb.	... : .07%
Imp. 650 lb. cases...	lb.	.07% : .07%

SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo-	175 lb. bbls, wks...	.25 : .27
Oxalate, neutral, 100 lb. kegs, lb.	... : .40	
Perborate, 275 lb. bbls...	... : .22	
Imp., 225 lb. drs...	... : .18	: .19
Peroxide, 200 lb. cases...	... : .25	
Phosphate, di-sodium, tech 550 lb. bbls,	... : .03%	: .03%
USP, gran. 275 bbls...	lb.	.07 : .07%
Imp. gran...	... : .05%	: .06
LSP, recrys. 275 bbls...	lb.	.10 : .11
Mono-sodium, 100 lb. kegs, lb.	... : .24	: .26
Tri-sodium tech. c/l, bbls...	lb.	.04% : .05
Pizamate, 100 lb. kegs, lb.	... : .09	
Para-Toluene Sulfonate, 175 lb. bbls,	... : .08	: .09
PRUSSIATE, yellow, 250 lb. bbls, lb.	... : .12%	: .13
Imp. 450 lb. cas...	... : .11	: .12
Pyrophosphate, 100 lb. kegs, lb.	... : .18	: .23
Salicylate, 100 lb. kegs, lb.	... : .40	
Second Hands, USP, kegs, lb.	... : .37	: .40
Silicate, 60° 700 lb. bbls, I.A., NY...	... : .20	
Works, 1000 lb. drums...	100 lb.	... : .90
Works, tanks...	100 lb.	... : .75
40° domestic, 700 lb. c/l f.o.b.	... : .80	
wks...	100 lb.	... : .80
Works, 1000 lb. drums...	100 lb.	... : .85%
Works, tanks...	100 lb.	... : .75
Spot, drums, bbls...	100 lb.	1.30 : 1.50
Glucouride, 450 lb. bbls, NY, lb.	... : .08	
Sulphate, see Glauber's Salt.		
Sulfate, Anhydrous, 550 lb. bbls, c/l	... : .03%	: .04
Sulfide, 60% solid, 650 lb. bbls, c/l wks...	... : .04%	: .05
Dra. c/l wks...	... : .03%	: .04
Imp. 700 lb. drs, NY...	... : .04%	: .05
60% broken, 650 lb. drs wks, lb.	... : .04%	: .05
Imp., 500 lb. drs, NY...	... : .03%	: .04
30% crys. 400 lb. bbls, wks, lb.	... : .03	: .03%
Imp., 400 lb. bbls...	... : .03%	: .03%
Sulfite, crys. 400 lb. bbls, wks...	... : .03%	: .03%
Desiccated, 400 lb. bbls...	... : .03%	: .04
10c higher per oz.		



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PITTSBURGH - PENNSYLVANIA



KEENESS for fundamentals, exactness in the application of proven processes and an ever present thought of the ultimate use of the product are combined to make Solvay Alkali superior.

Solvay 58% Soda Ash
Dense—Light—Extra light (Fluf)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali { 15%
24%—45%
Solvay Snow Flake Crystals
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda



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Chemicals

SODIUM—(Continued)	
Sulfocarbonate, U.S.P., 100 lb kegs	.37 : .39
Sulfocyanide, 400 lb bbls.	.45 : .47
Tungstate, crys. 100 lb kegs.	.55
Dessicated, kegs	.65
Solvent Naphtha, see Naphtha	
Spartein Sulfate, U.S.P., 250 lb bulk, oz	.60 : .70
Single oz. vial	.77
Starch, rice, 140 lb bags	.09 : .10
STRONTIUM Bromide, U.S.P., 100 lb kegs	
Carb., 600 lb bbls. wks.	.07
100 lb kegs wks	.08
Iodide, U.S.P., 25 lb jars	4.00
Nitrate, 600 lb bbls. wks.	.11 1/4 : .12
Imp., bbls. NY	.65 : .70
Salicylate, U.S.P., 100 lb kegs	
STRYCHNINE Alkaloid, U.S.P., crys.	
1000 tins	.95
Alk. powd., U.S.P.	.85
Acetate	1.05
Glycerophosphate, U.S.P.	1.05
Hydrobromide	1.05
Hydrochloride	1.05
Hypophosphite	1.15
Nitrate, U.S.P.	1.05
Phosphate	1.05
Sulfate, U.S.P., crys. powd.	.68
Saccharinate	2.15
Strychnine preparations quoted bases 1000 lots in 1000 tins. Small sizes; 1/2 oz vials, 50c extra; 1/4 oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 oz. 5c higher than above schedule. Lots of less than 25 oz. 10c higher per oz.	
Sugar Milk U.S.P., 200 lb bbls.	.21 : .22
Second Hand, U.S.P., bbls.	.21 : .22
Sulfonal, see Sulfonmethane	
Sulfonmethane, U.S.P., 5 lb bxs. lb	3.50 : 3.70
Sulfonmethane, U.S.P., 5 lb bxs.	2.40 : 2.60
SULFUR, crude bulk, c/l	
NY. ton	18.00 : 19.00
Crude, f.o.b. mines	ton 14.00 : 15.00
Brimstone, 250 lb bags	c/l 100 lb 1.75 : 1.85
Less c/l bags NY	100 lb 1.85 : 2.10
Bull, 500 lb bbls	c/l NY. 100 lb ... : 2.15
Less c/l bags NY	100 lb 2.20 : 2.45
Flour, Heavy, 250 lb bbls.	100 lb 2.50 : 3.05
Light, 100% 250 lb bbls.	100 lb 2.60 : 3.15
Rubbermakers	100% 246 lb
bbls. NY	100 lb 2.60 : 3.15
Commercial, 99%, 150 lb bags	NY 1.85 : 1.65
For Dusting, 99%	100 lb 2.00 : 2.50
bags NY	100 lb 3.00 : 3.55
Precipitated, 125 lb bbls. NY	100 lb 1.14 : 1.16
Lac, 125 lb bbls. NY	100 lb .07 : .19
Sulfur Chloride, red, 700 lb drs.	wks. 100 lb .06 : .07
150 lb chys. wks.	100 lb .06 : .08
Yellow, 700 lb drs. wks.	100 lb .05 : .06
150 lb chys. wks.	100 lb .05 : .07
Sulfur Dioxide, 100 lb cyl.	100 lb .08 : .08 1/2%
Iodide, U.S.P., VIII, 5 lb bot. lb	100 lb .08 : 4.55
Sulfuric Ether, see Ether	
Sulfuryl Chloride, 600 lb drs.	100 lb ... : .70
TALC, Italian, 220 lb bags NY. ton	35.00 : 40.00
Refined white, bags	ton 42.00 : 55.00
French, 220 lb bags NY.	ton 25.00 : 30.00
Refined, white, bags	ton 32.00 : 45.00
Dom., crude, 100 lb bags NY. ton	10.00 : 15.00
Refined, 100 lb bags NY. ton	18.00 : 25.00
Tartar Emetic, tech. 700 lb bbls. lb	.26 : .28
U.S.P. 300 lb bbls.	... : .34 1/2%
Terpin Hydrate, U.S.P., 100 lb kegs	lb .60 : .62
Terpinol, C.P. 1000 lb drums	lb .50 : .51
Cans, 50 lb	lb .52 : .54
Imported, cans, 25 lb	lb .95 : 1.20
Terpenyl Acetate, 25 lb cans	lb 1.65 : 1.85
Terra Alta, No. 1, 300 lb bbls	100 lb 1.85 : 1.90
No. 2, bbls.	100 lb 1.25 : 1.35
Theobromine Alk., 5 lb cans	100 lb ... : 5.75
and Soda Salicylate, 1 lb bot.	100 lb ... : 3.50
Thiocarbanilid, 170 lb bbls.	100 lb .28 : .30
Thymol, U.S.P., 25 lb tins	100 lb 3.00 : 3.25
Iodide, 5 lb boxes	100 lb 6.75 : 7.00
TIN, Metal Straits, NY.	
American standard, NY.	100 lb ... : 46.75
99% American, NY.	100 lb ... : 46.00
Bichloride, 50% soln. 100 lb	bbls. wks. ... : 13 1/2%
Crystals, 500 lb bbls. wks.	100 lb ... : 34 1/2%
Oxide, 400 lb bbls. wks.	100 lb ... : .51
100 lb kegs wks.	100 lb ... : .53
Tetrachloride, 1000 lb drs. wks.	100 lb ... : 27 1/2%
Tolidine, 350 lb bbls.	100 lb 1.00 : 1.10
Toluene, 8000 gal tank cars, wks. gal	.22 : .24
110gal drs. wks.	100 lb .27 : .29
Sulfate, 350 lb bbls.	100 lb ... : 1.10
Triacetin, Mixed, 900 lb drs. wks.	100 lb .31 : .33
Triacetin, 50 gal. drs. wks.	100 lb ... : .45
Tri bromphenol, 100 lb cases	100 lb ... : 1.00
Trional, see Sulfonethylmethane	
Triphenylguanidine	100 lb ... : .80
Triphenyl Phosphate, 450 lb bbls.	100 lb .50 : .60
Tripoli, 500 lb bbls.	100 lb 2.50 : 3.00
Tungsten NY.	Wt. unit 8.25 : 10.00
Ultramarine Blue	100 lb ... : 1.18
UREA, pharm. 112 lb cases	100 lb ... : .30
VANILLIN, U.S.P., 4000 cans...oz	100 lb .50 : .50 1/2%
Cans, 80 oz	100 lb ... : .50 1/2%
Cans, 16 oz	100 lb ... : .51
Venetian Red	100 lb ... : .05
Verdigris, see Copper Subacetate	
Vermilion, Amer. 100 lb kegs	100 lb ... : .35
English, kegs	100 lb ... : 1.30
Veratrine Sulfate, 100 vials	100 lb ... : 2.00
Hydrochloride, 100 vials	100 lb ... : 2.00
Veronal, see Acid Diethylbarbituric	
WHITE LEAD, see lead, white.	
White Precipitate, see mercury.	
Whiting, 200 lb bags, c/l wh. ton	14.00 : 16.00
Bags, c/l NY	ton 18.00 : 22.50
Gilders, bags, NY.	ton 13.50 : 15.00
French, bags, NY.	ton 15.00 : 18.00
English, bags, NY.	ton ... : 23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20 : 1.25

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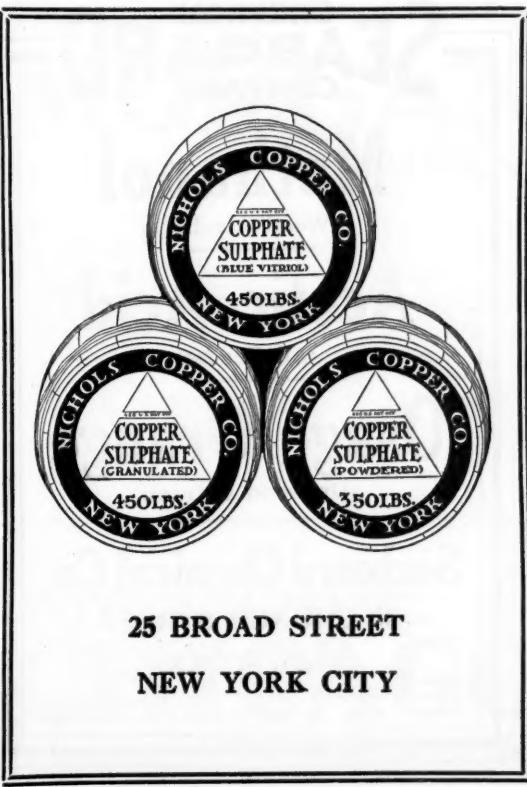
		Oils	
XYLENE, 3° dist. range, nitration ths. wks.	.40 : .45	Castor, No. 1, 400 lb bbls... Ib	.14 1/4 : .15
110 gal. drs. NY..... gal	.45 : .50	80 lb cases..... Ib	.16
5° dist. range, 8000 gal. tanks wks.	.... .31	No. 3, bbls..... Ib	.14
110 gal. drs. wks. gal	.... .36	Blown, 400 lb bbls..... Ib	.18 1/2
10° dist. range, drums, wks. gal	.... .34	China Wood, bbls, spot NY... Ib	.21 1/2
Commercial, 110 gal. drs., wks. gal	.... .31	8000 gal. tank NY..... Ib	.21 1/2
Tanks, wks. gal	.... .26	Jan., Feb., forward, bbls. China, Ib	.21 1/2
Xylidine, 900 lb. drs. Ib	.... .50	Coast, tanks, Dec. forward.... Ib	.20 : .20 1/2
YARA YARA, 1 lb. tins.... Ib	1.75 : 2.00	Coconut Ceylon, 375 lb bbls, NY. Ib	.10 : .16 1/2
Yohimbine Hydrochloride, 1 oz. vial. oz	7.25 : 7.50	8000 gal. NY..... Ib	.08 1/2 : .08 1/2
ZINC, METAL, high grade, slabs c/l NY..... 100 lb	.... .850	Cochin, 375 lb bbls, NY..... Ib	.10 1/2 : .11
Common Slabs, c/l NY..... 100 lb	.... .650	Tanks, NY..... Ib	.09 1/2 : .09 1/2
Mossy, 25 lb. bxs. NY..... Ib	.... .16	Manila, tanks, P. Coast..... Ib	.08 1/2 : .08 1/2
Ammonium Chloride, powd., 400 lb bbls..... Ib	.... .07 1/2 : .08	Edible, bbls, NY..... Ib	.11 : .11 1/2
Carb. tech. 150 lb. kegs NY.... Ib	.... .18	Cod Newfoundland, 50 gal. bbls. gal	.07 : .70
USP, 100 lb. kegs.... Ib	.... .30	Tanks, NY..... Ib	....
Chloride, fused, 600 lb. drs. wks. Ib	.... .06	Cora, bags..... Ib	.... .05 1/2
Dr. c/l wks. Ib	.... .04 % : .05	Corn, ref. 375 lb bbls, NY..... Ib	.13 : .13 1/2
Imp. drs. NY..... Ib	.... .05 : .05 1/2	Crude, tanks mills..... Ib	.... .10
Granulated, 500 lb. bbls. wks. Ib	.... .09	Bbls, NY..... Ib	.... .12
Imported, drs. NY..... Ib	.... .06 1/2 : .07	Cottonseed, crude tks. mills..... Ib	.... .09 1/2
USP, 35 lb. jars.... Ib	.... .20 : .25	P. S. Y., 100 bbl. lots NY.... Ib	.10 % : .12
Cyanide, 100 lb. drs. Ib	.... .40	White, 100 bbl. lots NY.... Ib	.13 % : .14
Dust, 100 lb. tins wks. Ib	.... .09 1/2 : .10	Winter yellow, 100 bbls, NY.... Ib	.... .13 1/2
500 lb. bbls, kegs, 1c/l wks. Ib	.... .09 1/2	Degras, Amer. 50 gal. bbls, NY. Ib	.04 % : .05 1/2
600 lb. bbls, kegs, c/l wks. Ib	.... .08 1/2	English, bbls, NY..... Ib	.... .05
Iodide, 5 lb. bots.... Ib	.... .50	Neutral, bbls, NY..... Ib	.11 : .14
Nitrate, 25 lb. jars.... Ib	.... .35	Greases, choice white, bbls. NY. Ib	.10 : .10 1/2
Oxide, Amer. 300 lb. bbls. wks. Ib	.... .08 % : .08 1/2	Yellow..... Ib	.06 % : .06 1/2
Bbls, c/l wks. Ib	.... .08 % : .08 1/2	Brown..... Ib	.06 : .06 1/2
French, 300 lb. bbls. wks. Ib	.... .10 % : .12 1/2	House..... Ib	.... .06 : .06 1/2
Bbl c/l wks. Ib	.... .10 : .12	Bone naphtha..... Ib	.... .06 : .06 1/2
Bags, c/l wks. Ib	.... .09 % : .10 %	Herring, Tanks, Coast..... gal	....
USP, 100 lb. bbls. c/l. Ib	.... .17	Horse, 375 lb bbls, NY..... Ib	.... .10
Ton lots, wks. Ib	.... .18	Lard, prime steam bbls. Ib	.13 1/2 : .14
Imported, white seal, bbls. Ib	.... .12 %	Compound, bbls. Ib	.13 1/2 : .13 1/2
Green seal, bbls. Ib	.... .10		
USP, 100 lb. bbls. Ib	.... .15 : .17		
Stearate, USP, 50 lb. bbls.... Ib	.... .32		
Sulfate, 400 lb. bbls, wks. Ib	.... .03 1/2 : .08 1/2		
Bbls, c/l wks. Ib02 %		
USP, 100 lb. kegs.... Ib06 : .09		
Sulfocarbonate, 100 lb. kegs.... Ib32 : .34		

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Epsom Salts
Oxalic Acid
Ammonium Phosphate

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[JANUARY 2, 1924]

Oils and Fertilizers

Rapeseed, refined bbls, NY.....gal	.79	: .80	Cyanamide wks.....unit	2.20	: 2.25	Rosin Oil, first run, 50 gal. bbls, gal	... : .43
Brown, bbls, NY.....gal	...	: .95	Fish Scrap, dried wks.....unit	4.90	& .10	Second run, bbls.....gal	... : .47
Red Oil, distilled, bbls.....lb	...	: .08 1/2	Acid, Bulk, 7 & 3 1/2, wks.....unit	3.90	& .50	Tar, kiln-burnt .....bbl	... : 11.00
Saponified, bbls.....lb	...	: .08 1/2	NITRATE SODA, NY.....100 lb	2.51	: 2.53	Retort .....bbl	... : 10.75
Tank.....lb	...	: .07 1/2					
Salmon, 8000 gal. tins Coast.....gal	...	: ...	Phosphate Rock, f.o.b. mines,				
Floridian, pebbles, 68-75%.....ton	3.25	: 4.50	Florida pebbles, 68-75%.....ton	3.25	: 4.50	Barwood, chips .....lb	.04 1/2 : .05
Sesame, domestic edible bbls.....lb	.12 1/4	: .13	Tennessee, 72% .....ton	...	: 5.50	Camwood, chips .....lb	.09 : .13
Sesame Oil, bbls, NY.....gal	...	: .45	Phosphate Acid, 16% Bulk wks.....ton	8.00	: 8.50	Divi Divi, pods 100-200 lb bags-ton	40.00 : 41.00
SOYA BEAN, crude tins, Coast.....lb	.09 1/2	: .10	Potassium Muriate, 80%.....unit	...	: .68	Fustic, sticks .....ton	30.00 : 35.00
Crude, Tas., D.P., NY.....lb	...	: .10 1/2	Sulfate .....unit	...	: .93	Chips .....lb	.04 : .08
Crude, bbls, NY.....lb	.11	: .11 1/2	Steamed Bone Meal, NY.....ton	32.00	: 35.00	Hemlock, bark .....ton	... : 20.00
Sperm, 38° c.t. blhd. bbls, NY, gal	...	: .94	Tankage, ground, NY.....unit	3.85	& .10	Hyperion, chips .....lb	.06 1/2 : .07
45° cold test, blhd. bbls, NY, gal	...	: .89	High grade f.o.b. Chicago.....unit	3.65	& .10	LOGWOOD, sticks .....ton	28.00 : 30.00
STEARIC ACID, s.p. 200 lb bags, lb	.11 1/2	: .11 1/2	Chips, 150 lb bags .....lb	.02 1/2 : .03	Chips .....ton	...	
Double pressed, bags.....lb	.12	: .12 1/2	Mangrove bark, African .....ton	34.00	: 36.00	Bark, South American .....ton	25.00 : 30.00
Double pressed, bgs., saponified, lb	.12	: .12 1/2	Pitch, prime .....bbl	...	: 5.50	Myrobalans, 150 lb bags Jl.....ton	... : 33.00
Triple pressed, bgs., distilled, lb	.13	: .13 1/2	Rosina, (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)			Jl .....ton	... : 35.00
Triple pressed, bgs., saponified, lb	.13	: .13 1/2	B .....280 lb	...	: 5.70	Jl .....ton	... : 37.00
Stearine, oleo, bbls.....lb	...	: .10 1/2	D .....280 lb	...	: 5.70	Nutmalls, see Crude Drugs.	
Lard, bbls.....lb	...	: .15	E .....280 lb	...	: 5.70	Oak bark, whole .....ton	20.00 : 23.00
Tallow, edible, tinned.....lb	...	: .10 1/2	F .....280 lb	...	: 5.70	Ground .....ton	... : 25.00
City, extra, loose .....lb	...	: .08	G .....280 lb	...	: 5.70	Quercitron bark, rough .....ton	... : 10.00
Tallow Oil, acidified tins, NY, gal	...	: .10	H .....280 lb	...	: 5.70	Ground .....ton	20.00 : 35.00
Bbls, c/f, NY .....lb	...	: .11 1/2	I .....280 lb	...	: 5.75	Sumac, Sicily, 160 lb bags .....ton	78.00 : 80.00
Walnut, crude bbls, NY.....lb	—	—	K .....280 lb	...	: 5.90	Virginia, 150 lb bags .....ton	... : 35.00
Whale, nat. winter bbls, NY, gal	...	: .77	M .....280 lb	...	: 6.20	Valonia Cups, 28-33% tan, ton	24.00 : 26.00
Blhd. winter bbls, NY, gal	...	: .79	N .....280 lb	...	: 6.30	Beard, 40% tan, 150 lb bags-ton	50.00 : 52.00
Extra Blhd. bbls, NY, gal	...	: .81	WG .....280 lb	...	: 7.00	Wattle bark, 150 lb bags .....ton	... : 25.00
Crude, No. 1, tanks Coast.....gal	...	: ...	WW .....280 lb	...	: 7.15		
Crude, No. 2, tanks Coast.....gal	...	: ...					
Crude, No. 3, tanks Coast.....gal	...	: ...					

Fertilizer Materials

Ammon. Sulf., bulk wks.....100 lb	...	: 2.95	Spirits Turpentine, bbls.....gal	...	: .92 1/2
Double, bgs, f.a.s. NY.....100 lb	2.80	: 2.85	Wood Turpentine, atm. distd. bbls, gal	...	: .84
Single bags, wks.....100 lb	...	: 3.10	Destructive distilled, bbls, gal	...	: .68
Blood, dried f.o.b. NY.....unit	...	: 4.30	Pine Oil, atm. dist'd, bbls, gal	...	: .63
Bone, 3 & 50 ground steamed, ton	25.00	: 28.00	Pitch, prime .....bbl	...	: 5.50
Raw, Chicagoton	...	: 30.00	Rosina, (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		

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Tannins and Dyestuffs

Chestnut, clarified, 25% tns. wks. lb.	.02 : .02%	Osage Orange, 51° liquid.....lb.	.07 : .08
Bbls., wks. ....	.02% : .02%	Powd. 100lb bags.....lb.	.14 : .15
Powd., 60% 100lb bbls. wks. lb.	.05% : .06	Persian Berries .....	.27 : .30
Decolorised, bbls., wks. ....	.08 : .09	QUEBRACHO, 35% liquid tns. lb.	.03 : .03%
Cudbear, English .....	.16 : .17	450lb bbls. ....	.03% : .04
Cutch, Rangoon, 100lb bales....lb.	.13 : .16	35% bleaching, 450lb bbls. ....lb.	.04% : .05%
Borneo, solid, 100lb bales....lb.	.04% : .05%	Solid 65% 100lb bales....lb.	.05 : .05%
Liquid, 450lb bbls....lb.	.10 : .11	Clarified bales .....	.06 : .06
Tablets, 120lb boxes....lb.	.13 : .14	Quercitron, 51° 450lb bbls....lb.	.06% : .07%
Flavine .....	.90 : .95	Powdered, 100lb boxes....lb.	.09 : .13
Fustic, solid 50lb boxes....lb.	.20 : .22	Spruce, 25% liquid tanks wks. ....lb.	.01 : .01%
Crystals, 100lb boxes....lb.	... : .20	Powd. 50% 100lb bags wks. ....lb.	.02 : .02%
Liquid, 51°, 600lb bbls....lb.	.10 : .12	Sumac, Liquid 450lb bbls....lb.	.07 : .09
Gall extract .....	.16 : .18	Stainless, 600lb bbls....lb.	.07 : .11
Gambier, 25% liq. 450lb bbls. ....lb.	.08% : .09%	DYERS' SUNDRIES	
Common, 200lb cases....lb.	.10% : .11	Albumen, technical, egg 200lb cs. ....lb	... : ...
Singapore cubes, 150lb bags. ....lb.	.18 : .19	Blood, domestic, 100lb drs. ....lb	... : .45
HEMATINE, Paste, 500lb bbls. ....lb.	.11 : .12	Spray York 150lb cs. ....lb	.45 : .65
Crystals, 400lb bbls....lb.	.14 : .20	British Gum, 140lb bags c/l 100lb	.84 : .99
Hemlock, 25% 600lb bbls. wks. ....lb.	.03% : .03%	Bags, lc/l .....100lb	.94 : 4.09
Hyperne, 51°, 600lb bbls....lb.	.15 : .16	Dextrin, corn 140lb bags c/l. 100lb	... : 3.49
Indigo, Madras bbls....lb.	.85 : .90	Bags, lc/l .....100lb	... : 3.59
Manila, bbls. ....	... : 1.30	Potato 220lb bags c/l....lb	.07% : .07%
Larch, 25%, 600lb bbls., wks. ....lb.	.03% : .03%	Bags, lc/l .....100lb	... : .07%
Powd. 100lb bags, wks. ....lb.	.07% : .08	Yellow, 220lb bags....lb	... : .08
Logwood, 51°, 450lb bbls. ....lb	... : 12½	Tapioca, 200lb bags, lc/l....lb	.09 : .10
Lower grades .....	.07% : .10	Prussian blue .....	.60 : .62
Solid, 50lb boxes....lb.	.13 : .15	Sago Flour, 150lb bags....lb	.04% : .05
Madder, Dutch ....	.28 : .30	STARCH, powd. 140lb bags c/l 100lb	... : 3.07
Mangrove, 55% 400lb bbls. ....lb.	.04% : .05	Bags lc/l .....100lb	... : 3.17
Myrobalan, 25% liquid bbls....lb.	.04 : .05	Pearl, 140lb bags c/l....100lb	... : 2.97
50% solid, 50lb boxes....lb.	.04% : .05	Potato, domestic, 200lb bags. ....lb	.05 : .05%
Oak, tanks wks. ....	.04 : .04%	Imported, bags duty paid. ....lb	.06 : .06%
23-25% liq. 600lb bbls. wks. ....lb	.05 : .05%	Tapioca Flour, high grade bags....lb	... : .07
		Medium grade bags....lb	.05% : .06
		Low grade, bags .....	.04 : .04%
		Turkey Red Oil, bbls. ....lb	.11 : .12
		Yolk Oil, bbls. ....lb	... : .35

Crude Drugs

Acetoides Gum, yel.	lb.	.18 : .20
Aconite Leaves, bales.	lb.	.25 : .27
Agone Root, USP, bags.	lb.	... : .50
Agar Agar, 1, 200lb bales.	lb.	1.55 : 1.60
No. 2, bales	lb.	1.50 : 1.55
No. 3, bales	lb.	1.40 : 1.50
Agaric, white, cases	lb.	... : 4.25
Almond, bitter bags bxs.	lb.	.22 : .28
Sweet, bags	lb.	.45 : .48
Meal, tins, boxes	lb.	.28 : .30
Altritis Root, bags	lb.	.60 : .65
Alkanet Root, bags	lb.	.07 : .08
Aloes, Barbados, 120lb bbls. ....lb.	lb.	.65 : .70
Cape, 400lb cases.....lb.	lb.	.09 : .10
Curacao, 100lb cases.....lb.	lb.	.11 : .11½
Socotrine, whole 100lb cs. ....lb.	lb.	.39 : .42
Althea Root, cut cases.....lb.	lb.	.23 : .25
Whole bags	lb.	.09 : .10
Ambergris, black boxes	os.	... : 8.00
Grey, boxes	os.	... : 28.00
Ammoniac, tears, bags	lb.	.85 : .90
Angelica Root, dom. bags	lb.	.14 : .15
Angostura Bark, bags	lb.	.08 : .10
Anise, Levant bags	lb.	.15 : .16
Russian, bags	lb.	.14 : .15
Star, cases	lb.	.12 : .12½
Spanish, bags	lb.	.15% : .16
Annnat Seed, 200lb bags....lb.	lb.	.21 : .22
ARABIC GUM,		
White, No. 1, 200lb bags....lb.	lb.	.26 : .28
Seconds, 250lb bags.....lb.	lb.	.24 : .26
Sorts, amber, 200lb bags. ....lb.	lb.	.12% : .13%
Powd., USP, 300lb bbls. ....lb.	lb.	.31 : .33
Arecia Nuts, 150lb bags. ....lb.	lb.	... : .09
Powd., 200lb bbls. ....lb.	lb.	... : .11
Arnica Flowers, bales	lb.	.12 : .14
Root, Bags	lb.	.16 : .18
Arrowroot, Amer., powd. bbls. ....lb.	lb.	.06% : .09%
St. Vincent, powd. bbls. ....lb.	lb.	.16% : .17
Asafoetida, USP, 250lb cases....lb.	lb.	.22 : .24
Powd. 50lb bxs.lb.	lb.	.48 : .49
BALM GILEAD BUDS, bags	lb.	.50 : .55
Balmony Herb, bales	lb.	... : .14

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Holbrook, Mass. P. O. Box 473

Crude Drugs

Dogwood Bark, Jamaica bags... Flowers, bales	.10 1/2 : .12 .15	Grindelia Robusta Herb, bales... Guaiac Gum, 80 lb cases... Guarana, tins, cases... GUM, see Arabic Gum, etc.	.07 : .07 1/2 .28 : .30 .60 : .70	LADY SLIPPER ROOT, bags... Larkspur Seed, bags	.51 : .65 1.00 : 1.10
Dogrose Root, USP, cut bags... Dragons Blood, mass cases... Reeds, boxes	.12 : .14 .45 : .50 1.15 : 1.25	HELLEBORE ROOT, Black, bbls. Powdered	.08 : .10 .15 : .17	Lavender Flowers, Ordinary Selected	.04 1/2 : .05 .32 : .35 .38 : .42
ECHINACEA ROOT, bags... Elecampane Root, bags... Elder Flowers, bags	.26 : .31 .09 : .10 .14 : .16	White, Powd. 250 lb bbls... Helenium Root, (unicorn false) bags	.16 : .17 .88 : .90	Leeches, tubs	Per 100 : 6.00
ERGOT, 150-200 lb bags... Fennel Seed, French, bags... German, bags	.36 : .38 .10 : .12 .18 : .19	Hemp Seed, Manchurian bags... Chilian, bags	.05 : .05 1/2	Lemon Peel, bags	.09 : .10
Ground, 180 lb bbls... Fennel Seed, 200 lb bags... Fish Berries, 100-125 lb bags... Fringe Tree Bark, bags... GALANGAL ROOT, bags... Galbanum Gum, cans... Gamboge Gum, bags	13.00 : 13.50 .05 1/2 : .06 .02 1/2 : .03 .19 : .20 .08 : .09 .80 : .95 .09 : .10	Henbane Leaves, bales, USP No assay	.35 : .38 .30 : .35	Licorice Root, Russian whole... Spanish, natural bales	.07 1/2 : .08 .09 : .09 1/2
Indian, bags	.12 : .12 1/2	Henna Leaves, bales Powdered	.12 : .13 .15 1/2 : .16	Powdered, bbls.	.09 : .09 1/2
Flax Seed, whole 180 lb bbls... Ground, 180 lb bbls... Foenumgreek Seed, 200 lb bags... Fringe Tree Bark, bags... GALANGAL ROOT, bags... Galbanum Gum, cans... Gamboge Gum, bags	.07 1/2 : .08 .07 1/2 : .08 .05 1/2 : .06 .19 : .20 .08 : .09 .80 : .95 .09 : .10	Honey, Calif., 120 lb cases... Hops, N. Y. prime bales... Horsetail Rush, bags... India Gum, see Karaya	.11 1/2 : .12 .23 : .25 .20 : .23 .10 : .11	Selected, 2 & 5 lb bundles.. Cuttings, 125 lb bags...	.16 : .20 .07 : .07 1/2
Flax Seed, whole 180 lb bbls... Ground, 180 lb bbls... Foenumgreek Seed, 200 lb bags... Fish Berries, 100-125 lb bags... Fringe Tree Bark, bags... GALANGAL ROOT, bags... Galbanum Gum, cans... Gamboge Gum, bags	.07 1/2 : .08 .07 1/2 : .08 .05 1/2 : .06 .19 : .20 .08 : .09 .80 : .95 .09 : .10	INSECT FLOWERS, open whole bales	...	Life Everlasting Herbs, bales... Lime Juice, clarified bbls... Linden Flowers, with leaves, bales	.05 : .06 .50 : .60 .14 : .16
Powdered, boxes	.40	Closed whole, bales	...	Without Leaves, bales...	.30 : .32
Fennel Seed, French, bags... German, bags	.16 : .17 .18 : .19	Powdered, pure 200 lb bbls... Flowers and stems, 50 p. c.	.65 : .70	Liverwort Leaves, bales...	.20 : .22
Indian, bags	.12 : .12 1/2	200 lb bbls... Ipecac Root, Cartagena, bags... Powdered, 220 lb bbls, boxes	.38 : .40 2.10 : 2.20 2.55 : 2.65	Lobelia Herb, bales	.22 : .24
Flax Seed, whole 180 lb bbls... Ground, 180 lb bbls... Foenumgreek Seed, 200 lb bags... Fringe Tree Bark, bags... GALANGAL ROOT, bags... Galbanum Gum, cans... Gamboge Gum, bags	.07 1/2 : .08 .07 1/2 : .08 .05 1/2 : .06 .19 : .20 .08 : .09 .80 : .95 .09 : .10	Rio Whole, bags... Powdered, 200 lb bbls, boxes	.210 : 2.20 2.10 : 2.20 2.55 : 2.65	Lobelia Seed, bags	.62 : .65
Powdered, boxes	.40	Isinglass, American, 130 lb cs... Russian (Beluga) bxs, ctms... JABORANDI LEAVES, bales... Jalap Root, whole, 150 lb bags... Ginger, African, bags	.75 : .85 4.50 : 5.50 .16 : .18 .33 : .35 .38 : .40	Lovage Root, Imported, bags... Jupulin, boxes	.20 : .22 1.40 : 1.50
Gamboge Gum, 160 lb cases... Powdered, cases	.85 : .90 .90 : 1.00	Japan Wax, 224 lb cases... Juniper Berries, 125 lb bags... KAMALA, boxes	.17 1/2 : .18 .03 : .03 1/2	MACE, Slaue, No. 1 cases... Banda, No. 1 cases	.44 : .45 .50 : .52
Gamboge Gum, 160 lb cases... Powdered, cases	.85 : .90 .90 : 1.00	Karaya Gum, powdered, bbls... Kava Kava Root, bags... Kino Gum, black cases... Kola Nut, 150 lb bags... Kouso Flowers, bags	.15 : .20 .16 : .17 .50 : .55 .05 : .06 .300 : 3.00	Batavia, cases	.38 : .39
Gentian Root, bags	.11 : .11 1/2	Kava Kava Root, bags... Kino Gum, black cases... Kola Nut, 150 lb bags... Kouso Flowers, bags	...	Mava Flowers, blue bales... Black, bales	.27 : .30 .65 : .75
Gentian Root, bags	.08 : .08 1/2	Kin's Tears, white bags... Juniper Berries, 125 lb bags... KAMALA, boxes	.25 : .30 .03 : .03 1/2	Manna, large flake cases... Small flake, cases	...
Ginger, African, bags	.16 : .17	Kin's Tears, white bags... Juniper Berries, 125 lb bags... KAMALA, boxes	.25 : .30 .03 : .03 1/2	Sorts, cases	.37 : .38
Jamaica grinding, bag bbls... Japan, bags	.37 : .43 .17 : .17 1/2	KARAYA GUM, powdered, bbls... Kava Kava Root, bags... Kino Gum, black cases... Kola Nut, 150 lb bags... Kouso Flowers, bags	...	Mandrake Root, bags	.21 : .22
Cochin, ABC & lemon, bags... Cochineal, ABC & lemon, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	.18 : .18 1/2 .18 : .18 1/2 .00 : 10.00 14.00 : 15.00 10.00 : 12.00 3.45 : 3.55 3.70 : 3.75	Kava Kava Root, bags... Kino Gum, black cases... Kola Nut, 150 lb bags... Kouso Flowers, bags	...	Mastic Gum, 120 lb cases... Meserves Bark, bags	.70 : .75 .11 : .13
Grains of Paradise, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	.12 : .14	Kouso Flowers, bags	...	Matricia Leaves, bales	.20 : .22
Grains of Paradise, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	...	Kouso Flowers, bags	...	Majoram Leaves, German bales... French, bales	.17 1/2 : .18 .13 1/2 : .14 1/2
Grains of Paradise, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	...	Kouso Flowers, bags	...	Millet Seed, dom. yellow bags... Bleached	.03 1/2 : .05 .04 : .04 1/2
Grains of Paradise, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	...	Kouso Flowers, bags	...	Moonian, Wax, crude bags... Moss, Iceland bales...	.04 : .04 1/2 .08 : .09
Grains of Paradise, bags... Ginseng Root, cultivated, bags... Northwestern Wild, bags... Southern Wild, bags... Golden Seal Root, bags... Powdered, boxes	...	Kouso Flowers, bags	...	Irish, bleached bales... Mullein Flowers, tins	.10 : .12 1.25 : 1.30

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KITAGUMI JAPAN WAX

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Musk, pods, Cabardine, tins...os	16.00	: 17.00	Patchouli Leaves, bales...lb.	.22	: .25	Rosemary Flowers, cases bales...lb.	.28	: .30
Tonquin	22.00	: 25.00	Pepper, black Sing. bags...lb.	.11	: .11½	Rose Petals, pale...lb.	.22	: .25
Grain Cah.	25.00	: 26.00	White, bags...lb.	.14	: .14½	Red...lb.	.65	: .70
Tonquin	35.00	: 38.00	Peppers, red Momosa, bags...lb.	.16	: .16½	Rue Herb, bales...lb.	.30	: .35
Synthetic, see Chemicals			Cherries, bags...lb.	.14	: .15	SABADILLA SEED, bags...lb.	.16	: .17
Musk Root, Russian bags...lb.	...	:	Bombay, bags...lb.	.15	: .15½	Powder, blis...lb.	.17	: .18
Mustard Seed, Bari brown bags...lb.	.05%	: .09	Japan, bags...lb.	.28½	: .30	Saffron Flowers, Amer. bales...lb.	.78	: .80
Bombay, brown...lb.	.08%	: .09	Pennyroyal Herb, bales...lb.	.08	: .11	Valencia, 1 lb cans...lb.	34.00	: 35.00
California, brown...lb.	.08%	: .09	Peppermint Leaves, Imp. bales...lb.	...	: .33	Sage, Dalmatian bales...lb.	.05½	: .06½
Yellow			Domestic leaf...lb.	.32	: .34	Greek, bales...lb.	.04%	: .05%
Chinese yellow...lb.	.04	: .04½	Peru Balsam, see Balsams			Spanish, bales...lb.	.03	: .03½
English, yellow...lb.	.04½	: .09	Pielch Leaves, bags...lb.	.23	: .25	Sandalwood, chips bags...lb.	...	: .30
Dutch, yellow...lb.	.08	: .09	Pimento, select bags...lb.	.05%	: .05½	Ground, bags...lb.	...	: .35
Danish, yellow...lb.	.08½	: .09	Pink Root, true bags...lb.	...	: 1.05	Sandarac Gum, 300 lb blis...lb.	.22	: .23
Myrrh Gum, select 200 lb cs...lb.	.35	: .37	Pitch, Burgundy, see Burgundy Pitch			Sarsaparilla Root Honduras, bales...lb.	.61	: .65
Sorts, case...lb.	.35	: .35	Pleurisy Root, bags...lb.	...		Mexican, bales...lb.	.26	: .28
MUTGALLS, Chinese, bags...lb.	.17	: .18	Plantain Leaves, bales...lb.	...	: .15	Sassafras Bark, ordinary bales...lb.	.13	: .15
Aleppo, bags...lb.	.14	: .15	Poke Berries, bags...lb.	...	: .15	Select, bales...lb.	.30	: .32
Nutmegs, 110x cases...lb.	.23%	: .28	Poke Root, bags...lb.	...	: .07½	Savory Leaves, bales...lb.	.08%	: .09½
75s, 80s cases...lb.	.30	: .31	Pomegranate Bark, of root bags...lb.	...	: .30	Saw Palmetto Berries, bags...lb.	.10	: .11
Nux Vomica Buttons, bags...lb.	.06	: .07	Of fruit...lb.	...	: .30	Scammony Resin, boxes...lb.	1.40	: 1.60
Powdered, 200 lb blis...lb.	.08½	: .09	Poppy Flowers, red bags...lb.	.25	: .27	Scammony Root, bags...lb.	.06½	: .07
SAK BARK, red bags...lb.	.05	: .06	Poppy Seed, Dutch, bags...lb.	.09½	: .10	Seneca Root, bags...lb.	.63	: .67
White bags...lb.	.06	: .07	German, bags...lb.	...	: .10½	SENNNA, Alex. 150 lb cases...lb.	.24	: .25
Olibanum Gum, sift 250 lb cases...lb.	.09½	: .10	Turkish, bags...lb.	.06	: .08	Half Leaf, 350 lb bales...lb.	.18½	: .19½
Tears, 250 lb cases...lb.	.12	: .13	Blue Indian, bags...lb.	.08	: .08½	Slitting, 400 lb bales...lb.	.13	: .14
No. 1, all white, 250 lb			White Indian, bags...lb.	.07	: .07½	Powdered, 200 lb blis...lb.	.14	: .15
cans...lb.	.21	: .22	Prickly Ash Bark Southern, bags...lb.	.14	: .14½	Tinnevelly, job, 350 lb blis...lb.	.11	: .16
Opium, gum USP cases...lb.	8.00	: 10.00	Northern, bags...lb.	...	: .16	Grinding, 350 lb bales...lb.	.07	: .09
Granular, cans...lb.	9.00	: 11.00	Prickly Ash Berries, bags...lb.	.12	: .14	Powdered, 200 lb blis...lb.	.09	: .10
Powdered, USP, cans...lb.	9.00	: 11.00	Prince's Pine, bales...lb.	.35	: .38	Pods, 350 lb bales...lb.	.14	: .16
Orange Flowers, cases...lb.	.50	: 1.00	Pulsatilla Herb, bags...lb.	.22	: .25	Serpentaria Root, bags...lb.	.80	: .85
Orange Peel, bitter bags...lb.	.07½	: .07½	Pumpkin Seed, bags...lb.	.14	: .16	Shellac, T.N., bags...lb.	.63	: .64
Sweet, bags...lb.	.08	: .08½	QUASSIA CHIPS, bags...lb.	.07	: .08	Superfine Orange, bags...lb.	.68	: .70
Orris Root Florentine bold bags...lb.	.07	: .08	Queen of the Meadow Herb, bags...lb.	...		D. C. C., bags...lb.	.81	: .82
Powdered, 200 lb blis...lb.	.11½	: .12	Quince Seed, bags...lb.	.95	: 1.10	V. S. O., cases...lb.	.81	: .82
Verona, bags...lb.	.05	: .06	RAPE SEED, South Amer. bags...lb.	.06½	: .07	Fwd. reg., 350 lb blis...lb.	...	: .71
Powdered, 200 lb blis...lb.	.07½	: .08	Dutch, bags...lb.	...	: .05½	Regular Bleached, 350 lb blis...lb.	...	: .65
Fingers, cases...lb.	.58	: .60	Japanese, small, bags...lb.	.05½	: .06	Bone, Dry, 350 lb blis...lb.	.73	: .75
Osokerite Wax, brown, hard bags...lb.	.22	: .24	Raspberries, dried boxes...lb.	.58	: .60	Simaruba Bark, bales...lb.	.09	: .10
Green, hard bags...lb.	.25	: .26	Red Saunders...lb.	.17	: .19	Sideritis Herb, cut bags...lb.	...	: .18
Refined, yellow bags...lb.	...		Rhatany Root, bags...lb.	...	: .08½	Skullcap Leaves, bales...lb.	...	: .38
PAPRIKA, bags...lb.	.17	: .22	RHUBARB, H. D. cases...lb.	.34	: .36	Sloe Berries, bags...lb.	.03	: .04
Hungarian	.27	: .37	Powdered, 200 lb blis...lb.	.42	: .44			
Parreira Brava Root, bags...lb.	.19	: .20						
Parsley Seed, bags...lb.	.08½	: .09						


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Crude Drugs

.30	Snake Root, Canada natural bags, lb.	.43	: .45
.35	Snipped, bags	: .55
.70	SOAP BARK, whole, 150-200 lb bales	.07½	: .09
.17	Cut, 125-175 lb bags	.09½	: .10
.18	Crushed, 200 lb bbls.	.11½	: 12½
.80	Powdered, 200 lb bbls.	.12	: .14
5.00	Spearmint Leaves, American bales	.24	: .25
.06½	Spermaceti, blocks cakes cases	.39	: .41
.05½	Spikenard Root, bags	.26	: .28
.03½	Spruce Gum, boxes	1.00	: 1.50
.30	Squaw Vine, bales	...	: .17
.35	Stavesacre Seed, bags	.28	: .29
.23	Stone Root, bags	.09	: .10
.65	Storax, liquid artif. Gen. USP	.70	: .75
.28	st. Ignatius Beans, bags	.22	: .23
.32	st. John's Bread, bags	.04	: .06
.15	Stramonium Leaves, bales	.08	: .09
.09½	Stramonium Seed, bags	.12	: .13
.11	Strophanthus Seed, Hippocratea	.35	: .40
1.60	Kombe, bags	.80	: .85
.07	Sunflower Seed, domestic bags	.07	: .07½
.67	South American, bags	.06	: .07½
.25	TAGALDER BARK, bags	...	: .05
1.9½	Tamarinds, bbls.	...	: .06½
.14	Kegs	Per kg	: 3.50
.15	Tansy Herb, bales	.18	: .20
.16	Tar, Barbados, 50 gal. bbls...gal	1.60	: 1.75
.85	Thuy Gum, 280 lb bbls.	...	: .05½
.64	Thyme, Spanish bales	.07	: .07½
.70	French, bales	.08½	: .09
.71	Tilia, See Linden		
.65	Tolu Balsam, see Balsams		
.75	Tongo Bark, bags	.30	: .31
.10	Tonka Beans, Angostura, cases	2.25	: 2.25
.18	Para, cases	.75	: .80
.38	Surinam, cases	.50	: .55
.04	Tragacanth Gum, No. 1, ribbon 200 lb cts		
.70	No. 2 to No. 6, cases		
.35	Powdered, 50 lb boxes		
.70	Turmeric Root, cases		
.17	Turnerite Root, Madras bags		
.18	Aleppy, bags		
.80	China, bags		
5.00	Turpentine, Venice, true 80 lb cs.		
.06½	Artificial, 30 lb cases		
.05½	Spirits, see Naval Stores		
.03½	UNICORN ROOT, false, see Heliotrope		
.30	True, see Aletris		
.35	Uva Ursi Leaves, bales		
.23	VALERIAN ROOT, Belgian bags		
.28	Vanilla Beans Mex. whole cases		
.15	Cuts, cases		
.32	Bourbon, cases		
.67	South American, cases		
.67	Tahiti, yellow label cases		
.25	Green Label, cases		
.32	Violet Flowers, bags		
.11	WAHOO BARK, of root bags		
1.60	Of Tree, bags		
.07	White Pine Bark, rossed, bags		
.67	White Poplar Bark, bags		
.25	Wild Cherry Bark, thin green		
.32	Rosered, bales		
.16	Thick Rosered, bales		
.32	Thin Natural, bales		
.32	Thick Natural, bales		
.25	WILLOW bark bags		
.16	White, bags		
.32	Witch Hazel Bark, bags		
.10	Witch Hazel Leaves, bales		
.18	Worm Seed, American bags		
.82	Levant bags		
.82	Wormwood Herb, imported bales		
.71	Yacea Gum, red		
.65	Ground		
.75	YELLOW DOCK ROOT, bags		
.10	Yellow Parilla Root, bags		
.18	Yerba Santa, bags		
.38	Zedoary Root, bags		
.04			

Essential Oils							
lb	1.35	: 1.40					
lb	1.00	: 1.35					
lb	.95	: 1.00					
lb	.75	: .90					
lb	.10½	: .11					
lb	.09	: .09½					
lb	.08	: .08½					
lb	.16½	: .18					
lb	.14	: .15					
lb	.07	: .07½					
lb	.09	: .10					
lb	10.00	: 12.00					
lb	6.25	: 6.50					
lb	6.25	: 6.50					
lb	6.00	: 6.25					
lb	...	: ...					
lb	...	: ...					
lb	.65	: .70					
lb	1.00	: 1.05					
lb	.46	: .48					
lb	.07	: .08					
lb	.04	: .05					
lb	.15	: .16					
lb	.09	: .10					
lb	.14	: .15					
lb	.07	: .08					
lb	...	: .06					
lb	...	: .07					
lb	...	: .09					
lb	...	: .09					
lb	.09	: .10					
lb	4.00	: .10					
lb	...	: .10					
lb	...	: .10					
lb	.04	: .04½					
lb	.05½	: .06½					
lb	.12	: .14					
lb	.16	: .17					
lb	.10	: .11					
lb	.08	: .10					
Almond	Bitter	USP	5 lb	bots.	lb	3.25	: 3.75
Bitter	ff PA	5 lb	bots.	lb	3.50	: 3.75	
Artificial	(See Benzaldehyde—Chemicals)						
Sweet,	56 lb	cans.	lb		lb	.33	: .36
Peach	Kernel,	55 lb	tins.	lb	.24	: .25	
Apricot,	see Peach Kernel						
Amber,	crude	25 lb	tins.	lb	.70	: .75	
Rectified,	25 lb	tins.	lb		lb	.90	: 1.00
Angelica Root,	1 lb	bot.	lb		lb	38.00	: 39.00
Seed,	1 lb	bot.	lb		lb	36.00	: 38.00
ANISE,	Tech.	66 lb	case.	lb	.40	: .42	
USP,	50 lb	tins.	lb		lb	.42½	: .45
Bay,	25 lb	tins.	lb		lb	2.50	: 2.60
Bergamot,	25 lb	coppers.	lb		lb	2.75	: 3.00
Artificial,	25 lb	cans.	lb		lb	2.00	: 2.25
Birch Tar,	rect.	5 lb	bot.	lb	1.10	: 1.15	
Crude,	50 lb	tins.	lb		lb	.80	: .85
Bois de Rose,	25 lb	tins.	lb		lb	3.25	: 3.50
Cade,	USP,	25 lb	tins.	lb	.35	: .40	
Camphor,	USP	5 lb	bot.	lb	.45	: .50	
Cajuput,	native,	50 lb	tins.	lb	.80	: .85	
Calamus,	5 lb	bot.	lb		lb	4.25	: 4.75
Camphor,	heavy,	1000 lb	drums.	lb		12½	: 13½
Japanese,	white,	72 lb	cases.	lb	13½	: 15	
White,	1000 lb	drums.	lb		lb	.13	: .15
Cananava,	native	25 lb	tins.	lb	2.25	: 2.50	
Rectified,	25 lb	tins.	lb		lb	.75	: .80
Caraway,	USP,	1 lb	bot.	lb	8.25	: 8.50	
Cardamom,	USP,	1 lb	bot.	lb	30.00	: 33.00	
Carrol,	5 lb	bot.	lb		lb	16.00	: 18.00
CASSIA,	75-80 pc.	66 lb	cases.	lb	1.85	: 1.90	
Redistilled,	USP,	50 lb	cans.	lb	2.65	: 2.75	
Cedar Leaf,	50 lb	tins.	lb		lb	1.05	: 1.10
Cedar Wood,	light	1000 lb	drums.	lb	.28	: .30	
Celery,	1 lb	bot.	lb		lb	9.50	: 10.50
Cinnamon,	Ceylon,	1 lb	bot.	lb	11.00	: 12.50	
Leaf,	5 lb	bot.	lb		lb		2.00
CITRONELLA,	Ceylon,	1000 lb	dr.	lb	.95	: 1.00	
		50 lb	tins.	lb	1.00	: 1.10	
Java,	400 lb	drums.	lb		lb	1.05	: 1.10
		50 lb	tins.	lb	1.10	: 1.15	
Cloves,	USP,	50 lb	cans.	lb	2.50	: 2.60	
		6 lb	bot.	lb	2.60	: 2.70	

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Copalina, USP, 50 lb tins.....	lb .85	: .40
Coriander, USP, 1 lb bot.....	lb 16.00	: 17.00
Crotou, USP, 25 lb tins.....	lb 1.00	: 1.10
Cubeba, USP, 5 lb bot.....	lb 5.25	: 5.50
Cumin, 1 lb bot.....	lb 14.00	: 15.00
Dill, 1 lb bot.....	lb 4.25	: 5.00
Erigone, 20 lb tins.....	lb 1.25	: 1.35
EUCALYPTUS, Ausl. USP		
56 lb cs.....	lb .72 1/2	: .75
500 lb drums.....	lb .70	
Fennel, USP, 25 lb tins.....	lb 1.05	: 1.10
Geranium, Algerian, 25 lb tins.....	lb 7.50	: 8.00
Bourbon, 25 lb tins.....	lb 7.00	: 7.50
Turkish, 28 lb tins.....	lb 4.50	: 4.75
Ginger, 1 lb bot.....	lb 5.75	: 6.00
Gingergrass, 25 lb tins.....	lb 2.75	: 3.00
Hemlock, 50 lb cans.....	lb 1.10	: 1.20
Juniper Berries, USP, 25 lb tins.....	lb 1.25	: 1.35
Wood, 50 lb tins.....	lb .60	: .70
Lavender, USP, 28 lb tins.....	lb 4.50	: 6.00
Spike, Spanish, 50 lb cans.....	lb .70	: .80
LEMON, Ital. USP, 25 lb tins.....	lb .72	: .85
American, USP, 25 lb tins.....	lb .70	: .75
Lemongras, native, 50 lb cans.....	lb .80	: .85
Lime, express, 25 lb tins.....	lb 1.60	: 1.70
Distilled, 25 lb tins.....	lb 1.00	: 1.05
Linaloe, Mex., 80 lb cases.....	lb 2.60	: 2.75
Mace, distilled, 50 lb tins.....	lb 1.25	: 1.35
Mirbane, ree. as Ar. Chemicals		
Mustard, USP, 1 lb bot.....	lb ...	: 14.00
Artif., USP, 1 lb bot.....	lb 3.45	: 3.60
Neroli, Bigarade, 1/2 & 1 lb bot.....	lb 40.00	: 60.00
Petale, 1 lb bot.....	lb 70.00	: 120.00
Artificial, 1 lb bot.....	lb 10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	lb 1.25	: 1.35
Orange, bitter, 25 lb tins.....	lb 2.65	: 2.75
Sweet, W. Ind., 25 lb tins.....	lb 2.35	: 2.45
Italian, 25 lb cop.....	lb 3.00	: 3.30
American, 25 lb tins.....	lb 2.80	: 2.85
Origanum, 50 lb cans.....	lb .30	: .35
Parsley, 1 lb bot.....	lb 3.50	: 4.00
Patchouli, 5 lb bot.....	lb 6.75	: 7.00
Penroyral, dom, 25 lb tins.....	lb 1.95	: 2.25
Imported, 25 lb tins.....	lb 1.90	: 2.00
PEPPERMINT, nat. 60 lb cases.....	lb 3.25	: 3.35
Hedist, USP, 60 lb cases.....	lb 3.45	: 3.55
Petit Grain, S. Am., 25 lb tins.....	lb 1.75	: 1.85
French, 1 lb bot.....	lb 7.00	: 8.00
Italian, 25 lb tins.....	lb 2.25	: 2.35

Pimento, 25 lb tins.....	lb 2.00	: 2.10
Pinus Sylvatica, 25 lb tins.....	lb ...	: 1.75
Pumilio, USP, 25 lb tins.....	lb ...	: 2.75
Rose, Fr., 8, 16 & 32 oz. pigs.....	lb ...	: 9.00
Bulg., 8, 16 & 32 oz. pigs.....	lb 8.00	: 9.00
Artificial, 1 lb bot.....	lb 2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins.....	lb .40	: .42
1000 lb drums.....	lb ...	: .37 1/2
Tech., 27 1/2 lb tins.....	lb .35	: .40
Rue, 1 lb bot.....	lb ...	: 4.25
W. Indian, (Amyris) 25 lb tins.....	lb 6.75	: 7.00
Sassafras, USP, 50 lb cans.....	lb 1.90	: 2.05
Artificial, 1000 lb drs., 60 lb cans.....	lb .38	: .42
Savin, 5 lb tins.....	lb 2.85	: 3.00
Spearmint, USP, 60 lb cases.....	lb 2.40	: 2.50
Spruce, 50 lb tins.....	lb 1.10	: 1.20
Tansy Amer., 20 lb tins.....	lb 4.25	: 4.35
Tar, 50 gal. bbls.....	lb .25	: .26
Refined, USP 25 lb tins.....	lb ...	: ...
Thyme, red, USP 25 lb tins.....	lb 1.05	: 1.10
White, USP, 25 lb tins.....	lb 1.15	: 1.25
Tech., 110 lb drums.....	lb .85	: .90
Vetiver, Bourbon, 1 lb bot.....	lb 7.25	: 7.50
Java, 1 lb bot.....	lb 28.00	: 30.00
Wine, heavy 1 lb bot.....	lb ...	: 2.75
WINTERGREEN		
Sweet bch., 25 lb tins.....	lb 2.50	: 3.00
Southern, 25 lb tins.....	lb 1.85	: 2.00
Gaultheria, true 25 lb tins.....	lb 6.50	: 7.00
Southern, 25 lb tins.....	lb 4.00	: 4.25
Synthetic, USP, 50 lb cases.....	lb ...	: .47
Wormseed Bals., USP, 25 lb tins.....	lb 7.00	: 7.50
Wormwood dom., 25 lb tins.....	lb 4.00	: 4.25
Ylang Ylang, Bourbon 10 lb tins		
No. 1	lb 7.00	: 9.00
No. 2	lb 5.00	: 6.00
Manila, 1 lb bot.....	lb 28.00	: 35.00
Artificial, 1 lb bot.....	lb 16.00	: 12.00

OLEORESINS

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	lb 1.60	: 2.00
Borneol, 1 lb bot.....	lb ...	: 3.50
Citronellal, 1 lb bot.....	lb 2.00	: 2.25
CITRAL, 25 lb cans.....	lb 2.75	: 3.00
Imported, 5 lb bot.....	lb 4.25	: 5.50
Extra	lb ...	
Iso-Eugenol, 1 lb bot.....	lb 4.50	: 5.00
Imported	lb 5.50	: 6.50
Linalool, 5 lb bot.....	lb 8.00	: 9.00
MENTHOL, 60 lb cases.....	lb ...	: 10.75
Less cases, 5 lb cans.....	lb ...	: 10.75
Rhodinol, 1 lb bot.....	lb 15.00	: 20.00
SAFROL, 60 lb cans.....	lb .48	: .50
Thymol, USP, 25 lb tins.....	lb 3.00	: 3.25
SYNTHETIC AROMATICS		
Acetaldehyde, 50% sol pure, 5 lb bot. lb	1.75	: 2.00
Acetophenone CP, 1 lb bot. lb	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot. lb	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot. lb	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot. lb	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb	27.50	: 32.50
Aldehyde, C-14, 1 lb bot. lb	22.50	: 25.00
Aldehyde, C-16, 1 lb bot. lb	70.00	: 80.00
Aubepine. see Anisic Aldehyde		
Amly Acetate, pure, 5 gal. cans.gal	7.00	: 8.00
Amly Butyrate, 1 lb bot.....	lb 2.00	: 2.10
Amly Formate, 1 lb bot.....	lb 2.25	: 3.00
Amly Phenyl Acetate, 1 lb bot. lb	8.50	: 9.00
AMYL SALICYLATE, dom, 100 lb		
cbs.....	lb 1.45	: 1.50
Imported	lb 2.25	: 2.50
Amly Valerate, 5 lb bot.....	lb 4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	lb 3.75	: 4.50
BENZALDEHYDE, USP, 40 lb cbs/lb	lb 1.50	: 1.60
FFC, 40 lb cbs.....	lb 1.60	: 1.75
Benzole Ether. See Ethyl Benzoate		
Benzophenone, 1 lb bot.....	lb 6.75	: 7.00
Benzyl Acetate, 100 lb cbs.....	lb 1.55	: 1.75

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Benzyl Alcohol, 5 lb bot.....	1.60	: 1.70	Iso-Butyl Benzoate, 5 lb bot....	1b	4.75	: 5.00	Skatol, 10z. bot.....	1b	9.25	: 10.00
BENZYL BENZOATE, 5 lb bot.....	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported.....	1b	5.25	: 5.50	TERPINEOID, CP, 1000 lb drum.....	1b	.50	: .51
Medicinal FFC	1.75	: 2.00	Domestic, 5 lb bot.....	1b	4.00	: 4.25	Cane, 50 lb cans.....	1b	.52	: .54
Benzyl Butyrate, C.P., 1 lb bot..	5.50	: 6.00	Linalyl Acetate, 1 lb bot. Dom.	1b	7.00	: 10.00	Imported, 25 lb cans.....	1b	.95	: 1.20
Benzyl Cinnamate, 1 lb bot.....	10.00	: 10.50	Imp., 1 lb bot.....	1b	8.50	: 10.00	Terpinyl Acetate, 25 lb cans....	1b	1.65	: 1.85
Benzyl Formate, 1 lb bot.....	3.00	: 3.25	Linalyl Benzoate, 1 lb bot....	1b	13.00	: 14.00	VANILLIN, USP, 400 oz cans.....	1b	.50	: .50%
Benzyl Propionate, 1 lb bot.....	5.00	: 5.35	Linalyl Formate, 5 lb bot....	1b	10.00	: 12.00	Cans, 16 oz, 30 oz.....	1b	.50%	: .51%
Bornyl Acetate, 1 lb bot.....	2.75	: 3.25	METHYL ANTHRANILATE dom.	1b			Valerianic Ether, See Ethyl Valerate			
Bromostyrol, 25 lb kegs.....	4.00	: 4.25	Imported.....	1b	3.25	: 3.75	Yara Yara, 1 lb cans.....	1b	1.75	: 2.00
Butyric Ether, See Ethyl Butyrate			Methyl Benzoate, 5 lb bot. import.....	1b	4.50	: 5.00	PERFUMERS' SUNDRIES			
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25	Domestic, 5 lb bot.....	1b	1.75	: 2.00	Almond Meal, 25 lb cans.....	1b	.28	: .30
Cinnamic Alcohol, liquid 1 lb bot.....	10.00	: 14.00	Methyl Cinnamate, 1 lb bot.....	1b	3.75	: 4.00	Ambergris, black, bxs.....	1b		: 8.00
Crystallizable.....	12.00	: 16.00	Methyl Heptenone, 1 lb bot.....	1b	8.00	: 8.25	Ambergris, gray, bxs.....	1b		: 28.00
Cinnamaldehyde, 1 lb bot.....	3.20	: 3.50	Methyl Paracetol, 1 lb bot.....	1b	8.00	: 9.00	Balsam Copalba, Para, 80 lb cases.....	1b	.23	: .24
CITRONELLOL, 1 lb bot.....	9.00	: 11.00	Methyl Phenylacetate, 1 lb bot.....	1b	6.25	: 6.50	Balsam Peru, 120 lb cases.....	1b	1.75	: 1.80
Citronellyl Acetate, 1 lb bot.....	12.00	: 12.00	Methyl Phenylacetate, 5 lb bot.....	1b	6.00	: 6.50	Balsam Tolu, 90 lb cases.....	1b	2.25	: 2.50
COUMARIN, 25 lb cans.....	4.50	: 4.65	METHYL SALICYLATE, USP 500 lb	1b			Benzoin Gum, Siam, bxs.....	1b	1.15	: 1.20
DIETHYL PHTHALATE, 25 lb cans.....	.50	: .60	1000 lb drs.....	1b			Castoreum, 1 lb bot.....	1b	4.00	: 4.50
1000 lb drs.....	.50	: .55	drums.....	1b			Chalk, precip. light, 175 lb bbls.....	1b	.04%	: .05
Diphenoxydine, 25 lb tins.....	.85	: .90	50 lb cases.....	1b			Cherry Laurel Water, 5 gal cans.....	1b	1.15	: 1.25
Ethyl Acetate, pure, 5 lb bot..	.45	: .50	Second Hands.....	1b			Civet Abyssin. horns.....	1b	2.75	: 3.75
Ethyl Benzoate, 5 lb bot.....	1.85	: 2.00	Mirbane, rect., 1000 lb drums.....	1b	12 1/2%	: 14	Labdanum, 5 lb bot.....	1b		
Ethyl Butyrate, 5 lb bot.....	2.00	: 2.25	Musk Ambrette, 1 lb cans.....	1b	14.00	: 15.00	Lanolin, hydros, 350 lb bbls.....	1b	.21	: .22
Ethyl Caproate, 1 lb bot.....	3.25	: 3.50	Musk Ketone, 1 lb cans.....	1b	15.00	: 16.00	Anhydrom., 350 lb bbls.....	1b	.23	: .24
Ethyl Cinnamate, 1 lb bot.....	3.75	: 4.00	Musk Xylene, 5 lb cans.....	1b	8.50	: 3.75	Musk pods, Cabardine, tins.....	1b	16.00	: 17.00
Ethyl Formate, 5 lb bot.....	3.00	: 3.10	Nerolin, 1 lb cans.....	1b	1.65	: 2.00	Tonquin, tins.....	1b	22.00	: 25.00
Ethyl-methyl Paracresol, 1 lb bot..	3.25	: 3.50	Oenanthide Ether, 100%, 1 lb bot..	1b	2.25	: 3.00	Grains, Cabardine, tins.....	1b	25.00	: 26.00
Ethyl Propionate, 1 lb bot.....	3.25	: 3.50	Oenanthide Ether, 5 lb bot.....	1b	1.25	: 1.50	Tonquin, tins.....	1b	35.00	: 38.00
Ethyl Salicylate, 5 lb bot.....	4.50	: 4.75	Phenylacetalddehyde, Dom., 1 lb bot.....	1b	9.50	: 10.50	Synthetic, See Aromatic Chemicals			
Formic Ether, See Ethyl Formate			Imported.....	1b	10.00	: 12.00	Orris St. Flor., powd. bbls.....	1b	.09	: .11
Geranyl Acetate, 1 lb bot.....	4.25	: 4.75	Phenylacetic Acid, 1 lb bot.....	1b	3.00	: 3.25	Verona, bbls.....	1b	.08	: .09
Geranyl Butyrate, 1 lb bot.....	12.00	: 13.50	Phenyl Diacetate, 10z. bot.....	1b	3.25	: 3.50	Petrolatum, snow white, 350 lb bbls.....	1b	12 1/2%	: .13
Geranyl Formate, 1 lb bot.....	12.00	: 12.50	Phenyl propanyl Alcohol, 1 lb bot.....	1b	13.00	: 14.00	Light Amber, 350 lb bbls.....	1b	.04%	: .05
Hydroxycitronellal, 1 lb bot.....	15.00	: 18.00	PHENYLETHYLALCONOL dom., 1 lb bot.....	1b			Rice Starch, 140 lb bags.....	1b	.09	: .10
Heliotropin, dom., 10 lb bot..	1.85	: 2.00	Imported.....	1b	8.00	: 10.00	Rose Water, 5 gal crys.....	1b	.90	: 1.10
Imported.....	2.50	: 2.75	Phenylethyl Butyrate, 1 lb bot.....	1b	25.00	: 26.00	Sandalwood chips, powd., bags.....	1b	.30	: .35
Indol, CP, 1oz. bot.....	6.00	: 6.50	Phenylethyl Formate, 1 lb bot.....	1b	18.00	: 19.00	Saponin, 5 lb tins.....	1b	1.25	: 1.50
Iosine, 1 lb bot.....	5.00	: 9.00	Phenylethyl Propionate, 1 lb bot.....	1b	19.00	: 20.00	Talc Italian, 220 lb bags.....	1ton	42.00	: 55.00
Alpha.....	10.00	: 12.00	Phenylethyl Valerate, 1 lb bot.....	1b	23.50	: 26.00	Talc French, 220 lb bags.....	1ton	32.00	: 45.00
Beta.....	9.00	: 11.00	Phenylpropylalcohol, 1 lb bot.....	1b	16.00	: 18.00	Talc, domestic ref., 100 lb bags.....	1ton	20.00	: 30.00
Methyl.....	12.50	: 15.00								

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COAL TAR—Distillate, 163 drs., Order, Liverpool
Preparations, 5 cs., 1 ck., Franklin Imp. & Exp. Co., Hamburg
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COLORS—11 bbls., Irving Bk. Columbia Trust Co., Genoa; 9 bbls., Ladenburg Thalmann & Co., Genoa; 4 cs., Hensel Bruckmann & Lor-bacher, Hamburg; 15 cks., Franklin Imp. & Exp. Co., Hamburg; 10 bbls., Kuttroff Pickhardt & Co., Hamburg; 2 cks., O. Hommel Co., Bremen; 4 cks., 1 cse., Franklin Imp. & Exp. Co., Hamburg; 2 cks., Grasselli Chem. Co., Hamburg; 2 cks., Hensel Bruckmann & Lor-bacher, Hamburg; 12 bbls., Irving Bk., Antwerp; 80 cks., 1 cse., Kuttroff Pickhardt & Co., Rotterdam; 2 cks., N. Y. Color & Chem. Co., Rotterdam; 12 bbls., Internati.

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ERGOT—54 bgs., Order, Rotterdam.

EXTRACTS—**Logwood**, 100 bbls., Logwood Mfg. Co., Cape Haitien; **Quebracho**, 3,064 bgs., Bk. of N. Y. & Trust Co., Buenos Aires; 485 bgs., Intern. Products Co., Buenos Aires; 2,048 bgs., Order, Buenos Aires; 485 bgs., Intern. Products Co., Buenos Aires; 3,904 bgs., First Nat. Bk. Boston, Buenos Aires; 2,028 bgs., Fourth Atl. Nat. Bk., Buenos Aires.

FLOWERS—Chamomile, 80 bls., Brown Bros. & Co., Antwerp; 5 bls., Order, Antwerp; Chrysanthemum, 28 bls., Order, Trieste; Linden, 10 bls., Order, Leghorn; **Pyrethrum**, 25 bls., Banca Comml. Itali, Trieste.

FULLER'S EARTH—250 bgs., L. A. Salomon & Bros., Bristol.

GELATINE—420 kgs., 25 kgs., H. A. Sinclair, Rotterdam; 21 cs., P. C. Zuhlike, Rotterdam; 380 bgs., 14 bbls., H. A. Sinclair, Rotterdam; 180 cks., P. Puttmann, Rotterdam; 5 cs., J. P. Smith & Co., Southampton.

GLAUBER SALT—326 cks., E. Suter & Co., Hamburg; 92 bbls., Superfos Co., Hamburg.

GLUE—100 bbls., Order, Marseilles; 240 bbls., Brit. Bk. of So. Amer., Antwerp; 100 bgs., W. E. Miller, Antwerp; 300 bgs., Pfaltz & Bauer, Antwerp; 240 bgs., Nat. Gum & Mica Co., London.

GLUESTOCK—117 bbls., 548 bgs., Order, Buenos Aires; 462 bbls., 200 bgs., E. B. Howard, Constantinople.

GUMS—Arabic, 100 bgs., Anglo Egyptian Bk., Port Sudan; 200 bgs., Order, Port Sudan; **Ainme**, 6 cs., G. W. S. Patterson & Co., London; **Benjamin**, 27 cs., D. L. Silverman, Penang; 127 cs., D. L. Silverman, Penang; **Chicle**, 14 bbls., H. Triest & Co., Vera Cruz; 59 bbls., Gomez & Sloan, Inc., Vera Cruz; 130 cks., J. A. Medina & Co., Vera Cruz; 276 bbls., Chicle Development Co., Vera Cruz; **Copal**, 610 bgs., Central Union Trust Co., Antwerp; 186 bgs., Kidder Peabody & Co., Antwerp; 133 bgs., Order, Antwerp; 51 cs., Brown Bros. & Co., Singapore; 468 bgs., Order, Antwerp; 20 bgs., Order, Antwerp; 400 bgs., William Schall, Antwerp; 764 bblts., 400 bgs., 244 bblts., Macassar; 147 bblts., Kidder Peabody Acceptance Corp., Macassar; 629 bblts., Innes & Co., Macassar; 95 bblts., A. Klipstein & Co., Macassar; 274 bblts., M. L. Van Norden, Macassar; 60 bblts., W. H. Scheel, Macassar; 168 bblts., 29 bgs., Order, Macassar; 350 bgs., L. C. Gillespie & Co., Singapore; 20 bgs., Brown Bros. & Co., Singapore; 100 cs., Catz Amer Co., Batavia; 500 cs., Order, Batavia; 250 bgs., 50 cs., Chem. Nat. Bk., Singapore; 96 bgs., Order, Singapore; 300 cs., Order, Batavia; 400 cs., 320 bgs., Chem. Nat. Bk., Singapore; 210 bgs., 150 cs., L. C. Gillespie & Son, Singapore; 770 bgs., 50 cs., Kidder Peabody Accept. Corp., Singapore; 100 cs., Baring Bros. & Co., Singapore; 350 bgs., Chem. Nat. Bk., Singapore; 150 cs., Order, Singapore; **Mastic**, 15 cs., P. N. Patridis, Trieste; **Tragacanth**, 10 cs., Guaranty Trust Co., Constantinople; 14 cs., Order, Constantinople.

GUM RESIN SOLUTION—45 pgs., Franklin Imp. & Exp. Co., Hamburg.

HERBS—9 bgs., A. Henning, Hamburg; 10 bbls., L. B. Penick & Co., Hamburg; 21 bbls., Wood & Selick, Hamburg; 7 bbls., Asia Drug Co., Hamburg; 13 bbls., T. Powell & Co., Hamburg; 2 cs., M. Zucker, Havre; 10 bbls., Order, Antwerp.

HOPS—19 bbls., Maltus & Ware, Hamburg; 24 bbls., J. Sonnenschein Hop Co., Hamburg.

IRON OXIDE—13 cks., Order, Antwerp; 45 cks., J. A. McNulty, Rotterdam; 32 cks., Reichard Coulston, Inc., Liverpool.

LIME JUICE—34 cks., Order, Demerara.

JUICES—Licorice, 70 cs., Order, Marseilles; **Paw Paw**, 12 pgs., Carter Cummings & Co., Colombia.

LEAVES—Euphorbia, 17 bbls., Order, Colombo; **Matico**, 24 bgs., Order, Liverpool; **Patchouli**, 78 bbls., Bk. of Manhattan Co., Singapore; **Sage**, 9 bbls., Wolf Sayer & Heller, Hamburg; 250 bgs., G. W. Sheldon & Co., Rotterdam; 252 bbls., Order, Trieste; **Stramonium**, 49 bbls., Tartar Chem. Wks., Leghorn; 54 bbls., Order, Leghorn; 50 bbls., Order, Leghorn; **Thyme**, 51 bbls., Armand Gaidon Freres, Marseilles.

LITHOPONE—700 cks., Benjamin Moore & Co., Antwerp; 40 cks., A. Klipstein & Co., Antwerp; 60 cks., A. Murphy & Co., Antwerp; 210 cks., E. M. & F. Waldo Co., Antwerp; 80 cks., Order, Antwerp; 20 cks., P. Uhlich, Rotterdam; 40 cks., L. H. Butcher Co., Rotterdam; 3,600 cks., B. Moore & Co., Antwerp; 115 cks., A. Klipstein & Co., Antwerp.

MAGNESIA—5 cs., E. Fougera & Co., London.

MAGNESITE—313 bgs., 111 bbls., Speiden Whitfield Co., Rotterdam; **Calcined**, 96 cks., H. J. Baker & Bros., Rotterdam.

MANURE SALT—1,700 bgs., 25,063 kilos, Potash Imp. Corp. of Amer., Hamburg.

MEDICINALS—101 cs., J. Personeni, Inc., Genoa; 5 cs., Penn. Pharmac. Products Co., Genoa; 15 cs., Alps Drug Co., Genoa.

MENTHOL—2 cs., Order, Hamburg.

MYROBALANS—1,700 pitts., Order, Calcutta.

NAPHTHALENE—1,377 bgs., Order, Antwerp; 310 bgs., Order, Bristol; 3,201 bgs., Order, Antwerp.

NUX VOMICA—160 bgs., Order, Madras.

OCHRE—54 bbls., Reichard Coulston, Inc., Marseilles; 27 bbls., Order, Bordeaux.

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OILS—Essential, 300 cs., Order, Messina; 2 cks., Order, Palermo; 200 cs., Order, Messina; 6 cs., Fritzsche Bros., Hamburg; 20 cs., Polak Frutal Wks., Rotterdam; 2 cs., Orbis Prod. Tds., Co., Havre; 1 cse., O. A. Brown & Co., Havre; 8 cs., Polaks Frutal Works, Rotterdam; 2 cs., G. W. Sheldon & Co., Grasse; 1 bbl., 40 cs., Order, Grasse; 15 bbls., L. R. Dreyer, Grasse; **Aniseed**, 10 drs., Fritzsche Bros., Hongkong; 6 drs., G. Lieders & Co., Hongkong; **Bergamot**, 25 cs., Irving Bk., Columbia Trust Co., Messina; 40 cs., A. Chris Co., Messina; **Cassia**, 20 cs., Order, Hongkong; **Citronella**, 1 drum, Catz Amer. Co., Batavia; **Juniper Berry**, 1 bbl., Hensel Bruckmann & Lorbacher, Hamburg; 3 cs., Order, Trieste; **Lavender**, 3 bbls., Order, Barcelona; 1 bbl., Order, Marseilles; 12 cs., Goldman Sachs & Co., Grasse; **Mustard**, 1 cse., Order, Marseilles; **Lemon**, 200 cs., East River Nat. Bk., Messina; 105 cs., Brown

Bros. & Co., Messina; 50 cs., Order, Messina; **Linaloe**, 2 drs., Order, Vera Cruz; **Orange**, 51 cs., Brown Bros. & Co., Messina; 50 cs., Order, Messina; **Patchouli**, 1 cse., C. T. Wilson & Co., Singapore; 2 cs., Bk. of Manhattan Co., Singapore; **Rosemary**, 6 bbls., Order, Barcelona

OPIUM—30 cs., Order, Salonica

PARAPHENYLENEDIAMINE—5 cs., Franklin Imp. & Exp. Co., Hamburg

PLUMBAGO—333 bgs., 100 bbls., Brown Bros. & Co., Colombo; 100 bbls., Irving Bk. Columbia Trust Co., Colombo; 62 bbls., Order, Colombo; 178 bbls., Paterson Boardman & Knapp, Colombo; 360 bbls., Order, Colombo

POTASSIUM SALTS—31 cks., Horvall Chem. Corp., Hamburg; **Carbonate**, 76 cks., Brown Bros. & Co., Hamburg; 28 bbls., Superfos Co., Hamburg; **Caustic**, 90 drs., Superfos Co., Hamburg; **Chlorate**, 1,000 cks., Irving Bk. Columbia Trust Co., Hamburg; 1,800 cks., Mech. & Metals Nat. Bk., Hamburg; **Hydroxide**, 63 drs., Horvall Chem. Co., Hamburg; **Muriate**, 13,128 bgs., Societe Comm. Des Potassae D' Alsace, Antwerp; 2,500 bgs., Potash Impg. Corp. of America, Hamburg; **Nitrate**, 60 kegs, Order, Rotterdam; **Sulfate**, 3,750 bgs., Potash Impg. Corp. of America, Hamburg; **Sulfite**, 100 bbls., Potash Imp. Corp. of America, London

PUMICE STONE—12 cks., Bankers Trust Co., Canneto Lipari; 201 bgs., Amer. Exp. Co., Canneto Lipari; **Lump**, 82 cks., 6,815 bgs., Gallagher & Ascher, Canneto Lipari; 4,492 bgs., 9 cks., Order, Canneto Lipari; 4,074 bgs., 30 cks., Gallagher & Ascher, Canneto Lipari; **Powdered**, 1,275 bgs., Bankers Trust Co., Canneto Lipari; 100 bgs., Gallagher & Ascher, Canneto Lipari

PYRIDINE—26 drs., R. W. Greeff & Co., Liverpool; 2 drs., Federal Sugar Ref. Co., Liverpool; 4 pgs., Monsanto Chem. Wks., Liverpool; 5 drs., Meteor Products Co., Liverpool; 21 drs., Order, Liverpool; 8 drs., Lunham & Reeve, Rotterdam

QUICKSILVER—1,000 flasks, Nat. City Bk., Genoa; 120 flasks, Poillon & Poirier, Vera Cruz

QUININE—19 cs., R. W. Greeff & Co., Rotterdam; 50 cs., McKesson & Robbins, Rotterdam

QUINOIDINE—153 drs., R. W. Greeff & Co., Rotterdam

ROCHELLE SALTS—66 cks., Order, Rotterdam

ROOTS—9 bgs., A. Henning Hamburg; 2 bls., T. Powell & Co., Hamburg; 18 bgs., Order, Constantinople; 2 bls., Order, Trieste; **Acone**, 12 bls., Chem. Nat. Bk., Rotterdam; **Broom**, 126 bls., Order, Leghorn; 395 bgs., H. Triest & Co., Vera Cruz; 51 bgs., F. H. Cone & Co., Vera Cruz; 2 bls., A. C. Elliott, Vera Cruz; 229 bgs., N. Y. & Cuba Mail S.S. Co., Vera Cruz; **Canagria**, 2 cs., H. Triest & Co., Vera Cruz; 80 sks., F. B. Vandegrift & Co., Vera Cruz; 207 sks., Order, Vera Cruz; **Doggrass**, 30 bgs., Order, Hamburg; **Elecampane**, 89 bgs., G. W. Sheldon & Co., Rotterdam; **Gentian**, 1 ble., Order, Trieste; 35 bgs., Banque Belge Pour l'Etranger, Bordeaux; **Ipecac**, 12 bls., Ultramarine Corp., Bahia; **Jalap**, 27 bls., H. Triest & Co., Vera Cruz; **Orris**, 184 bgs., Order, Leghorn; 4 cs., Order, Leghorn; **Rhubarb**, 12 cs., Order, Shanghai; **Sarsaparilla**, 20 bls., Order, Vera Cruz

ROSIN—6 cs., H. Focke, Azua; 19 cs., Mecke & Co., Azua

SAFFRON—20 bds., Gomez & Sloan, Inc., Vera Cruz; 6 sks., Order, Vera Cruz

SALT—840 sks., W. A. Hazard & Co., Liverpool

SEAWEED—8 cs., Amer. Exp. Co., Rotterdam

SEEDS—Alfalfa, 757 bgs., Mech. & Metals Nat. Bk., Buenos Aires; 771 bgs., Order, Buenos Aires; 233 bgs., Order, Southampton; 200 bgs., Lamport & Holt, Buenos Aires; 82 bgs., Order, Buenos Aires; **Anatto**, 8 bgs., Order, Batavia; **Caraway**, 43 bgs., Koops Holland Amer. Co., Rotterdam; 500 bgs., Vulcan Foreign Comin. Corp., Rotterdam; 300 bgs., Products Agencies, Inc., Rotterdam; 100 bgs., Archibald & Lewis, Rotterdam; 100 bgs., C. E. Armstrong, Rotterdam; 100 bgs., E. Miltenberg, Rotterdam; 200 bgs., Order, Rotterdam; **Cardamom**, 10 cs., Dodge & Olcott Co., London; 8 cs., Order, London; **Fennel**, 2 bgs., Lehn & Fink, Hamburg; 80 sks., Order, Marseilles; **Flax**, 8,316 bgs., L. Dreyfus & Co., Buenos Aires;

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SENA—31 bgs., Anglo Egyptian Bk., Port Sudan; 100 bgs., Brown Bros. & Co., Port Sudan; 265 bgs., Nat. Bk. of Egypt, Port Sudan; 94 bgs., A. C. Joensson, Port Sudan; 128 bgs., Order, Port Sudan

SHELLAC—200 bgs., British Oversea Bk., Calcutta; 625 bgs., 50 cs., Order, Calcutta; 300 bgs., Nat. City Bk., Calcutta; 2,668 bgs., Order, Calcutta; **Garnet**, 70 bgs., Kasebier Chatfield Shellac Co., Hamburg; 200 bgs., Lee Higginson & Co., Calcutta; **Seed Lac**, 127 bgs., Order, Calcutta

SOAP—150 cs., Bk. of Amer., Marseilles

SODIUM SALTS—Carbonate, 20 cks., Brown Bros. Co., Liverpool; Chlorate, 99 cs., Order, Genoa; Cyanide, 20 cs., Order, Liverpool; 199 cs., Order, Marseilles; Hyposulfite, 200 cks., Order, Hamburg; Phosphate, 134 cks., Brown Bros., Antwerp; 167 cks., Roessler & Haeslacher Chem. Co., Antwerp; Prussiate, 15 cks., Chase Nat. Bank, Rotterdam; Sul-

fate, 1,000 bgs., H. Falck & Co., Hamburg; Sulfite, 75 drs., H. Falck & Co., Hamburg; 235 drs., C. S. Grant & Co., Hamburg

SPICES—70 kgs., Wolf Sayer & Heller, Hamburg; **Bitters**, 200 cs., F. Romeo & Co., Genoa; 2,800 cs., J. W. Wuppermann, Trinidad; **Cassia**, 200 cs., Irving Bk. Columbia Trust Co., Hongkong; 500 cs., S. L. Jones & Co., Hongkong; 20 bkt., A. Stallman & Co., Rotterdam; 116 pgs., Order, Batavia; **Buds**, 50 cs., Murray & Nickell Mfg. Co., Hongkong; **Chillies**, 1,000 bgs., Order, Kilindini; **Cinnamon**, 210 bgs., C. T. Wilson & Co., Colombo; 100 bgs., Order, Colombo; 200 bgs., Archibald & Lewis, Rotterdam; 100 bgs., Order, London; **Ginger**, 10 cs., E. Miltenberg Inc., Canton; 50 cks., Order, Hongkong; **Mace**, 71 cs., Catz Amer Co., Rotterdam; 5 cs., 35 bbls., Royal Bk. of Canada, Grenada; 4 bgs., 1 bbl., 1 cse., Colonial Bank, Grenada; 22 cs., Bk. of Amer., Batavia; 60 cs., R. A. Kurka, Macassar; 336 cs., Order, Singapore; **Mustard**, Dross, 500 bgs., J. & J. Colman Ltd., London; **Nutmegs**, 51 bgs., D. L. Silverman, Penang; 50 bgs., Royal Bank of Canada; Grenada; 30 bgs., Colonial Bank, Grenada; 200 bgs., Bk. of Amer., Batavia; 40 cs., 26 bgs., D. L. Silverman, Penang; **Pepper**, Black, 600 bgs., L. Littlejohn & Co., Batavia; 1,250 bgs., Amer. Exch. Nat. Bk., Telok Betong; 500 bgs., Mech. & Metals Nat. Bk., Telok Betong; 500 bgs., Guaranty Trust Co., Telok Betong; 750 bgs., Bk. of Amer., Telok Betong; 500 bgs., Goldman Sachs & Co., Telok Betong; 500 bgs., Equit. Trust Co., Telok Betong; 600 bgs., Nat. City Bk., Telok Betong; 4,780 bgs., Order, Telok Betong; **White**, 343 bgs., Guaranty Trust Co., Singapore; 1,050 bgs., Order, Singapore; 250 bgs., Equit. Trust Co., Batavia; 750 bgs., Bk. of Amer., Batavia; 250 bgs., Frank Tea & Spice Co., Batavia; 750 bgs., Archibald & Lewis Co., Batavia; 171 bgs., Order, Singapore

SPONGES—3 cs., Order, Genoa

SUMAC—2,120 bgs., Order, Palermo

TALC—200 bgs., L. A. Salomon & Bros., Genoa; 200 bgs., Order, Genoa; 300 bgs., Bankers Trust Co., Genoa

TAPIOCA—742 bgs., Order, Penang; 414 bgs., Catz Amer Co., Batavia; 173 bgs., Catz Amer Co., Batavia; 592 bgs., Order, Batavia; **Flour**, 808 bgs., Schulz & Rückgaber, Batavia; 375 bgs., Equit. Trust Co., Batavia; 1,550 bgs., Catz Amer Co., Batavia; 250 bgs., Stein Hall & Co., Batavia; 5,705 bgs., Order, Batavia; 809 bgs., Order, Samarang; 936 bgs., Bk. of N. Y. & Trust Co., Cheribon; 1,512 bgs., Catz Amer Co., Sourabaya; 372 bgs., Order, Penang; **Pearl**, 287 bgs., Schulz & Rückgaber, Batavia; 376 bgs., Catz Amer Co., Batavia; 748 bgs., Order, Penang; 230 bgs., Catz Amer Co., Batavia; 260 bgs., Stein Hall & Co., Batavia; **Siftings**, 102 bgs., Stein Hall & Co., Batavia

TARTAR—157 sks., C. Pfizer & Co., Marseilles

THORIUM NITRATE—20 cs., Nat. Amer. Bk., Hamburg

VALONIA—3,724 bgs., Order, Constantinople

VANILLA-Beans, 11 bls., Order, Batavia; 132 cs., Catz Amer Co., Samarang; 22 cs., G. Lueders & Co., Southampton; 3 cs., H. Triest & Co., Vera Cruz; 18 cs., J. N. Limbert & Co., Marseilles; 18 cs., Thurston & Bradich, Marseilles; 57 cs., Dodge & Olcott, Marseilles

WAX—7 cs., C. A. Redden, Havre; 16 bgs., Order, Alexandria; **Bees**, 50 cs., Amer. Exch. Nat. Bk., Hamburg; 110 bgs., Pond Extract Co., Rotterdam; 75 cs., Strall & Pitsch, Rotterdam; 35 cs., Order, Rotterdam; 72 bgs., Order, Southampton; 3 bbls., Order, Durban; 2 seroons, J. A. Thomen, Monte Cristi; **Carnauba**, 501 bgs., Nat. Bk. of Commerce, Parnahyba; 158 bgs., Nat. City Bk., Ceara; 168 bgs., Order, Ceara; 141 bgs., Nat. City Bk., Ceara; 72 bgs., Lazar Freres, Ceara; 278 bgs., Order, Ceara; Montan, 950 bgs., Order, Bremen

WOODFLOUR—4 bgs., S. H. Bergstrom, Gothenburg

WOOD GREASE—32 bbls., Schenkers Inc., Hamburg

ZINC-OXIDE, 200 cks., E. M. & F. Waldo, Antwerp; 135 bbls., Philipp Bros., Antwerp; 1 cse., E. Fougera & Co., London

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SAN FRANCISCO IMPORTS CRESYLIC ACID

Imports at San Francisco during the week of Dec. 22, included the following: On steamer President Hayes, from Buenos Aires, to Armour & Co., 529 tons bones, to Crocker National Bank, 541 bags tartar, to First National Bank of Boston, 1,029 bags tanning extract. On steamer Sachsen, from Hull, to order, 35 drums cresylic acid; from London, to order, 80 bags gum copal and 250 bags white barytes, and to Meyer Wilson & Co., 500 bags potash.

On steamer Maunganui, from Raratonga, to Atkins, Kroll & Co., 416 gunnies copra and to Wightman & Crane, 1,613 gunnies copra; from Papeete, to Henry Gray & Co., 1,427 sacks copra; to Wightman & Crane, 5,104 sacks copra; to Kidder, Peabody & Co., 977 sacks copra; to Atkins, Kroll & Co., 2,393 sacks copra and to order 5,167 sacks copra. On steamer West Cactus, from Manila, to El Dorado Oil Works, 975 tons copra; from Singapore, to Atkins, Kroll & Co., 64 bags gum damar, and to order, 5 bags gum damar and 100 bags pearl sago.

On steamer Shinyo Maru, from Hongkong, to Ti Hang Lung, 200 cases vegetable oil; from Kobe, to Withits, Inc., 76 bags ginger and to Charles Cable Co., 30 barrels vegetable oil. On steamer Sonoma, from Pago Pago to Wightman & Crane, 47 sacks cocoa beans and to First National Bank, 2,175 bags copra. On steamer Author, from Liverpool, to order, 475 bags cocoa, and 850 bags soda ash.

H. A. Brochers, a representative of the Department of Agriculture of California, division of chemistry, has opened offices at Visalia, Cal., and will assist farmers and retailers in examination of fertilizers, sprays and chemicals used for the control of pests and for treatment of the soil.

URUGUAY HAS NEW PERFUME TARIFF

New valuations for duty on perfumes and toilet articles imported into Uruguay have been fixed by the committee appointed under the law of Sept. 19, 1923, and became effective Nov. 8, not to be changed for at least three years, writes Consul Thomas H. Bevan. The valuations on cosmetics in general, cologne, and similar toilet waters, and scented paper have been virtually doubled; and those on vaselines, perfumery extracts, cold creams, fine face powders, and liquid and powdered dentifrices, greatly increased. The increase in valuations for soaps is comparatively small. No change was made in the valuations on tooth paste, Florida water and similar preparations, and ordinary face powder; and that on mustache wax was greatly reduced.

A campaign will begin in the drug and chemical trades, on Jan. 15, to recruit 1,000 men to serve as scoutmasters of Boy Scout Troops. The drive will be limited to the effort to obtain men, and no solicitation for funds will be attempted. In Greater New York there are (estimated) approximately 250,000 boys between the ages of twelve and eighteen, a great majority of whom do not have the benefit of any organized leisure time activity. There are at the present time 23,000 Boy Scouts in the Greater City with some 3,000 men giving volunteer service. A. W. Procter, secretary of The Boy Scout Foundation says it is necessary to increase the volunteer force by at least 1,000.

The Department of Agriculture and Geological Survey figures for white arsenic available during 1924 give 28,000 tons from all sources of which 15,000 tons will be needed for calcium arsenate production. This 28,000 tons of white arsenic was erroneously given as calcium arsenate in DRUG & CHEMICAL MARKETS last week.

HEAVY CHEMICALS

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[JANUARY 2, 1924]

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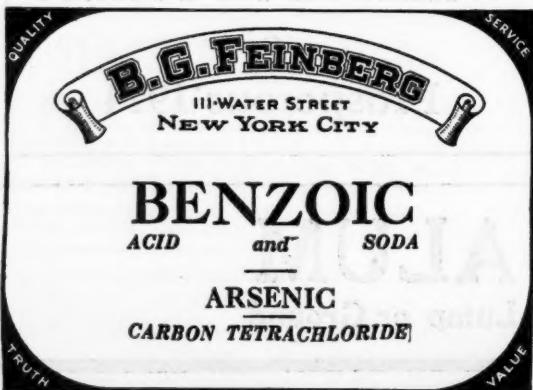
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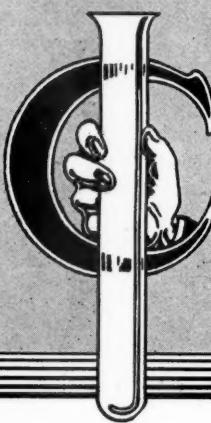
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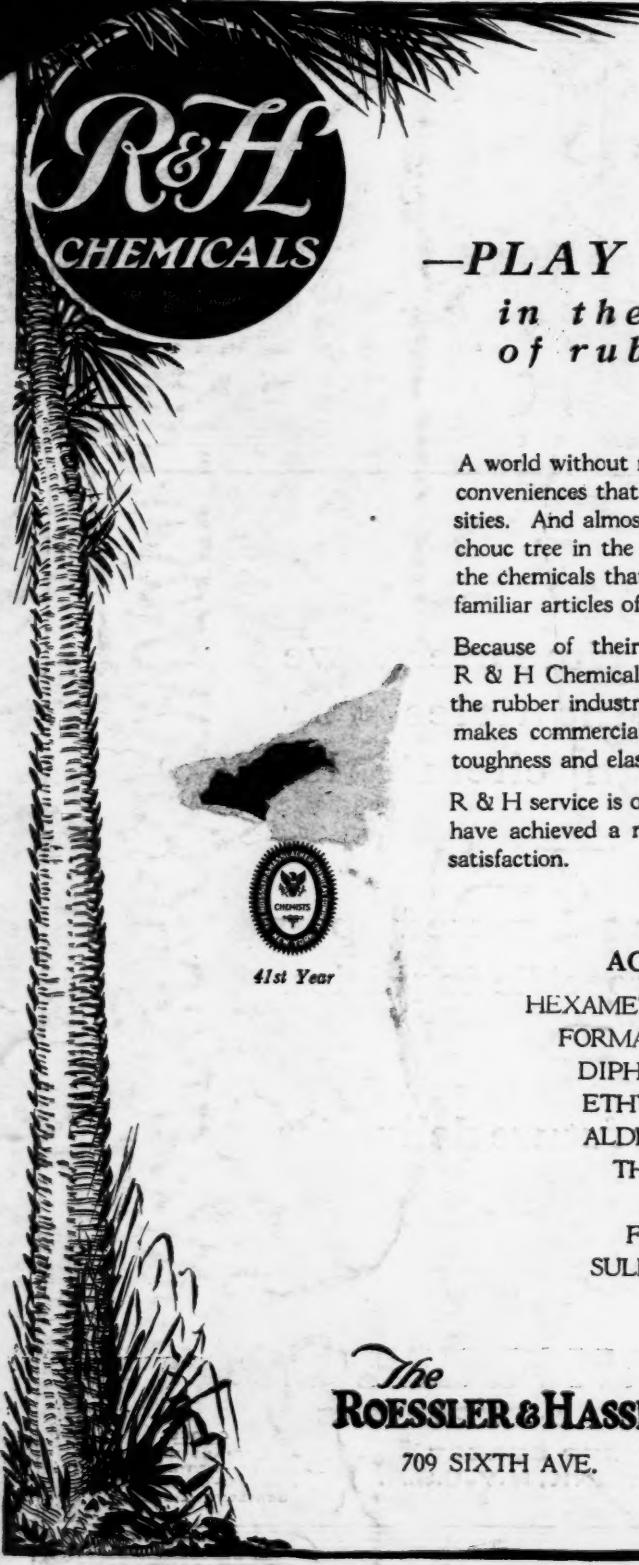
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